

Student Name _____

Teacher Name _____

School _____

System _____

ACH



TENNESSEE

Tennessee Comprehensive Assessment Program
Achievement Test ~ Grade 5
Practice Test
Version B



PEARSON

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Introduction

What is the TCAP Achievement Test?

The TCAP Achievement Test is a multiple-choice test designed to measure student achievement in certain skills in four content areas: Reading/Language Arts, Mathematics, Science, and Social Studies. The questions in this practice test are examples of items used in the actual test.

What are the questions testing?

Questions are written to test student performance in state content standards. The State Content Standards and Performance Indicators were developed by the Tennessee Department of Education. These Standards and Performance Indicators are listed on the State Department of Education Web site at <http://www.state.tn.us/education/curriculum.shtml>.

Who will be tested?

All students in grades 3 through 8 will be tested.

How long will the tests take?

The length of the tests will vary, depending on the grade level. The time limits are generous and allow most students time to finish. Extended time limits only apply to students who are eligible for special or English Language Learner (ELL) accommodations.

How will the tests be scored?

The test answers will be machine scored. Results from the test provide information about how well students performed on the content being tested.

May calculators be used?

Calculators may be used on Part 1 and 2 of the mathematics portions of the TCAP Achievement Test (grades 3–8) as per system policy.

Which test accommodations may be used?

The TCAP Achievement Test may be administered using various procedures that are used during the student's daily educational program. Certain conditions must be met for students to be eligible for Special and ELL accommodations.

What is the purpose of the practice test?

In a classroom learning session, these questions can be used to prepare students for the actual test. Teachers can use the practice test to help familiarize students with the format of test questions and how the actual test will be administered. This practice test can also be used to inform parents of the type of test their children will be taking.

Here are some tips for preparing students for the test.

Remind students to:

Relax: It is normal to be somewhat anxious before the test. Remember that the score is only one of a number of measures of performance.

Listen: Listen to and read the test directions carefully.

Plan Use of Time: First, answer all the questions you are sure about. Do not spend too much time on any one question. If a question seems to take too long, skip it and return to it later if you have extra time.

Pause and Think: If you are not sure how to answer a question, carefully read it again. Rule out answer choices that you know are incorrect and then choose from those that remain.

Reading and Language Arts



Part 1

Directions

Elizabeth wrote this rough draft of a report. It contains mistakes. Read the report and answer Numbers 1 through 10.

- 1 Nancy Ward is a great hero in Tennessee history. Her work helped build peace between the Cherokee people and the American settlers.
- 2 Ward was born in 1738 in a village called Chota. Ward fought in a battle against another tribe when she was only seventeen. She was very brave during the fight. She was given the name Beloved Woman. Because of her remarkable actions Ward became a leader of the tribe.
- 3 One settler taught Ward how to make cheese and butter. Ward took the knowledge she gained from the settlers back to the Cherokee people. Respect between the settlers and the Cherokee slowly began to build. Both groups listened to her.
- 4 Cherokee life changed during the 1750s. Settlers began moving into the area. Conflicts between the settlers and the Cherokee people started happening more often. Ward was wanting to make peace between these two groups. Beginning to learn as much as she could about the settlers and their way of life.
- 5 During this time, the government in the United States did not give much power to women. The settlers accepted Ward as a Cherokee leader. In 1785, Ward achieved something that was important to her. She had success with a special treaty. This agreement was a peaceful way to help separate the land between the settlers and the Cherokee people.
- 6 Ward spent her life trying to help others. She worked tirelessly to make and maintain peace between the settlers and her Cherokee people. She was truly a celebrated and admired person.

Go On ►

1 Read this sentence from Paragraph 4.

Beginning to learn as much as she could about the settlers and their way of life.

Choose the correct way to revise this sentence fragment.

- A** Ward who began learning as much as she could about the settlers and their way of life.
- B** For Ward to begin to learn as much as she could about the settlers and their way of life.
- C** So Ward beginning to learn as much as she could about the settlers and their way of life.
- D** Ward began learning as much as she could about the settlers and their way of life.

2 Read these sentences from Paragraph 4.

Conflicts between the settlers and the Cherokee people started happening more often. Ward was wanting to make peace between these two groups.

Choose the correct verb or verb phrase to replace the underlined words.

- F** wants
- G** wanted
- H** has wanted
- J** had wanted

3 Read this sentence from Paragraph 2.

Because of her remarkable actions Ward became a leader of the tribe.

Choose the sentence with correct comma usage.

- A** Because of her, remarkable actions Ward became, a leader of the tribe.
- B** Because of her remarkable actions Ward became a leader, of the tribe.
- C** Because of her remarkable actions, Ward became a leader of the tribe.
- D** Because of her remarkable actions, Ward, became a leader of the tribe.

4 Read these sentences from Paragraph 2.

Ward fought in a battle against another tribe when she was only seventeen. She was very brave during the fight.

Choose the best way to combine these sentences.

- F** When she was only seventeen, Ward fought bravely in a battle against another tribe.
- G** Ward fought bravely against another tribe and was only seventeen when she was in a battle.
- H** Ward was very brave, and she was only seventeen when she fought in a battle against another tribe.
- J** When she fought in a battle against another tribe and was brave, Ward was only seventeen.

Go On ►

5 Read these sentences from Paragraph 5.

During this time, the government in the United States did not give much power to women. _____, the settlers accepted Ward as a Cherokee leader.

Which transitional word or phrase belongs in the space?

- A** In addition
- B** Still
- C** For example
- D** Therefore

6 Elizabeth most likely wrote this report to

- F** inform readers about an important woman in history.
- G** persuade readers to learn more about the Cherokee people.
- H** entertain readers with a story about how people solve problems.
- J** share experiences with readers about the life of the Cherokee people and American settlers.

7 Which sentence could best be added to Paragraph 2?

- A** Ward spent much of her life teaching settlers in Tennessee.
- B** The Cherokee people did not have enough leaders.
- C** Tennessee offered the Cherokee people many natural resources.
- D** It was unusual for someone as young as Ward to earn such approval.

8 Which sentence best concludes Paragraph 5?

- F** The settlers learned many important skills from the Cherokee people.
- G** Ward hoped both groups of people could live in peace forever.
- H** The Cherokee people loved the land that they lived on in Tennessee.
- J** Ward had to get used to being in a position of power.

9 Elizabeth has decided to write her next report about Cherokee art. Which source will give her the most reliable information about the topic?

- A** a collection of photographs displaying Cherokee art
- B** a magazine article about a Cherokee art collector
- C** a chapter in a book comparing Cherokee artists
- D** a museum advertisement for a Cherokee art collection

10 Elizabeth plans to include additional information about Nancy Ward's childhood in her report. Which source will give her the best information about the topic?

- F** a website about the history of Tennessee
- G** a documentary about the Cherokee people
- H** a collection of biographies about famous people from Tennessee
- J** an interview with a Cherokee person living today

Go On ►

Directions

Lucy wrote this letter. It contains mistakes. Read the letter and answer Numbers 11 through 19.

Dear Professor Brown:

(1) I recently learned in science class that Pluto is no longer considered a planet. (2) Pluto was the ninth planet in our solar system for more than eighty years. (3) The planet was named by an eleven-year-old girl in 1930. (4) The girl's name was Venetia Burney. (5) I am eleven years old and wish I could have the honor of naming a planet. (6) If I did, though, I would be really annoyed if scientists decided it was no longer a planet.

(7) I know that many scientists gathered together and agreed to change Pluto's status to a dwarf planet. (8) I don't think it was a fair vote. (9) Only about five percent of the worlds professional astronomer's participated in that vote. (10) I learned in science class that you are an astronomer and a teacher. (11) My teacher explained that you have discovered many objects that orbit in space, including the dwarf planet Eris. (12) We also learned why Pluto wasn't going to not be a planet anymore.

(13) Three qualities I know planets are supposed to have. (14) Planets must orbit the sun. (15) Pluto does this. (16) Planets have to be a certain size and shape. (17) Pluto is pretty small. (18) Finally, planets are supposed to move in an orbit without having other planets or asteroids in their path. (19) This seems to be the main reason Pluto was demoted. (20) Pluto does have lots of asteroids all around it, but other planets do too. (21) Jupiter Mars and even Earth have asteroids near them. (22) Would you take away Earth's status as a planet because asteroids cross its orbit? (23) The decision about Pluto is not fair.

(24) Pluto should be considered a real planet like Earth! (25) I've talked with many of my friends they agree with me. (26) Please name Pluto as a planet once again!

Sincerely,

Lucy Sánchez

11 Read Sentence 23.

The decision about Pluto is not fair.

What is the correct way to write the underlined words as a contraction?

- A** i'snt
- B** is'nt
- C** isn't
- D** isnt'

12 Read Sentence 19.

This seems to be the main reason Pluto was demoted.

Choose the correct way to write the underlined word.

- F** mainly
- G** more main
- H** most main
- J** correct as is

Go On ►

13 Read Sentence 21.

Jupiter Mars and even Earth have asteroids near them.

Which revision of the sentence uses commas correctly?

- A** Jupiter, Mars, and even Earth, have asteroids near them.
- B** Jupiter, Mars, and even Earth have asteroids near them.
- C** Jupiter, Mars and, even Earth, have asteroids near them.
- D** Jupiter, Mars and even Earth, have asteroids near them.

14 Read Sentence 9.

Only about five percent of the worlds professional astronomer's participated in that vote.

What is the correct way to write the underlined section?

- F** the worlds' professional astronomers
- G** the world's professional astronomers
- H** the world's professional astronomers'
- J** correct as is

15 Read Sentences 3 and 4.

The planet was named by an eleven-year-old girl in 1930. The girl's name was Venetia Burney.

Choose the best way to combine the two sentences.

- A** In 1930, an eleven-year-old girl named Venetia Burney named the planet.
- B** In 1930, Venetia Burney named the planet, she was eleven years old.
- C** The planet was named in 1930, the girl's name was Venetia Burney, and she was eleven.
- D** Venetia Burney was an eleven-year-old girl in 1930; and she named the planet.

16 Read Sentence 25.

I've talked with many of my friends they agree with me.

Choose the best way to correct this run-on sentence.

- F** I've talked with many of my friends, they agree with me.
- G** I've talked with many of my friends; which they agree with me.
- H** I've talked with many of my friends; and they agree with me.
- J** I've talked with many of my friends, and they agree with me.

17 Read Sentences 7 and 8.

*I know that many scientists gathered together and agreed to change Pluto's status.
_____, I don't think it was a fair vote.*

Which transitional word best links the ideas in these two sentences?

- A** However
- B** Therefore
- C** Hopefully
- D** Otherwise

18 Look at the outline Lucy made before writing her letter.

Letter to Professor Brown

1. Pluto no longer a planet
 - ninth planet for more than eighty years
 - named by Venetia Burney
2. Scientists met and voted
3. What I learned in science class
4. Qualities of a planet
 - orbits the sun
 - has certain size and shape
 - _____
5. Conclusion

Which idea best fills in the blank space in the outline?

- F** is too small to be considered a planet
- G** similar to dwarf planet Eris
- H** must not have planets or asteroids in its path
- J** is much like planet Earth

19 Lucy's main reason for writing this letter is to

- A** inform Professor Brown of what she learned after studying the solar system.
- B** persuade Professor Brown to send her more information about Pluto.
- C** entertain Professor Brown with interesting facts about the solar system.
- D** persuade Professor Brown to name Pluto as a planet again.

Go On ►

Directions

Read the passage. Then answer Numbers 20 through 27.

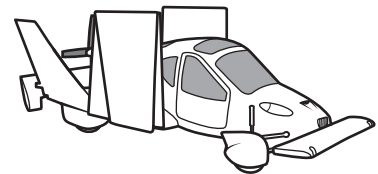
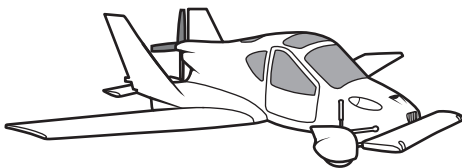
Did You See That Car Fly By?

- 1 People once thought flying cars could only be found in science-fiction novels or movies. However, flying cars have become a reality. Although the cars are still in the testing stage, they may soon be coming to nearby airports, roads, and parking lots.



What Is a Flying Car?

- 2 A flying car is a vehicle that can travel both on land and in the air. In the air, it is a small two-person plane that can travel over 115 miles per hour. The engine powers a spinning propeller on the back of the plane. Flying cars can travel up to 450 miles before having to land and refuel. Once the pilot lands the aircraft, the wings fold against the sides of the plane. It takes less than a minute for the vehicle to transform from an airplane to a car. The power source switches from the propeller to the front wheels. The vehicle can travel on land at speeds up to 65 miles per hour. If the flying car is low on gas, the driver can simply pull into any gas station and fill the tank with the same fuel used by regular cars.



What Is Required To Fly Cars?

3 Driving a flying car is much more difficult than driving a regular car. The driver must have both a driver's license and a pilot's license. The Federal Aviation Administration (FAA) is the agency in charge of air-travel safety and issuing licenses to pilots. The FAA requires a pilot to have a license for different kinds of aircraft. For example, a very large commercial airline might sell tickets to provide service for hundreds of passengers. To earn a license to fly passengers, a pilot must fly a plane with an instructor for at least 1,500 hours.

4 Long ago, only experienced pilots of large airplanes would have been licensed to drive flying cars. In 2004, however, the FAA added special regulations to the light-weight category called a "light-sport aircraft category." Flying-car makers are working hard to build the vehicles so that they are light enough to fit into this new category. Earning a sport pilot's license for small aircraft requires only 20 hours of flight time.

Who Tests the Flying Cars?

5 The FAA is making it easier for people to be allowed to drive flying cars, so testing is being done to make sure the cars are safe for everyone. Graduates from the Massachusetts Institute of Technology (MIT) are responsible for testing the prototypes, or model vehicles. In 2009, the MIT team tested the *Transition*, the first prototype. The flying car took off and flew for 37 seconds during the first experiment. Since then, MIT graduates have continued to develop and improve vehicle designs so they can fly for much longer periods of time. Flying cars must also be tested in other ways to ensure they are safe on land and in the air.

When Will Cars Fly?

6 MIT graduates are working with the Terrafugia Company to make a flying car available for sale. It will take several years before flying cars are common in cities and towns. If all goes well, adventurous drivers may be parking flying cars in their garages someday soon.

20 Read this sentence from Paragraph 3.

For example, a very large commercial airline might sell tickets to provide service for hundreds of passengers.

An airline is described as commercial if it

- F** is enjoyed by travelers.
- G** needs a lot of space.
- H** relies on customers to make a profit.
- J** moves people across long distances.

21 Read this sentence from Paragraph 2.

It takes less than a minute for the vehicle to transform from an airplane to a car.

Based on the prefix trans- , what does the underlined word mean?

- A** above
- B** change
- C** between
- D** move

22 Which source would provide the best information about the history of airplanes?

- F** a nonfiction book titled *How Airplanes Were Developed*
- G** a magazine titled *National Airplane Monthly*
- H** an interview with the president of an airline company
- J** an online encyclopedia entry about airline manufacturing

23 Which sentence from the passage best supports the conclusion that the Federal Aviation Administration (FAA) is in favor of flying cars?

- A** The FAA requires a pilot to have a license for different kinds of aircraft.
- B** Long ago, only experienced pilots of large airplanes would have been licensed to drive flying cars.
- C** In 2004, however, the FAA added special regulations to the light-weight category called a “light-sport aircraft category.”
- D** Earning a sport pilot’s license for small aircraft requires only 20 hours of flight time.

24 Graduates from the Massachusetts Institute of Technology (MIT) have been running tests on flying cars in order to improve their

- F** speed.
- G** overall safety.
- H** appearance.
- J** fuel usage.

25 Which question can be answered by reading the passage?

- A** Who invented the concept of the flying car?
- B** What materials are used to build flying cars?
- C** How much will flying cars cost?
- D** Who is responsible for improving the flying car?

Go On ►

26 Which sentences best summarize this passage?

- F** A flying car, which is a vehicle that travels on land and in the air, will not be available for several years due to the various tests required. Flying cars may eventually be common on the roads, however.
- G** A flying car is a vehicle that travels on land and in the air. Flying cars are being tested by the graduates of Massachusetts Institute of Technology in order to meet the regulations of the Federal Aviation Administration.
- H** Flying cars are getting closer to being seen everywhere because two people can ride inside and travel on land or in the air. Safety of the flying car is the most important consideration according to the Federal Aviation Administration.
- J** Flying cars can travel on land and in the air because of the design of the vehicle. When these cars are low on gas, the driver can pull in to any gas station to fill the tank with fuel.

27 An advertising company is giving a presentation to promote flying cars. Which visual aid would best strengthen the company's presentation?

- A** a video of a pilot landing the vehicle as a plane and changing it into a car
- B** a website explaining the procedure for obtaining a pilot's license
- C** a television interview with one of the test pilots of a flying car
- D** a photocopy of a pilot's sport license

Directions

Read the story. Then answer Numbers 28 through 34.

False Feathers

1 A flock of blue jays perched in the leaves of an enormous oak tree. From their treetop home, the blue jays could admire all of the animals that lived in the forest. They could spot the lightning-fast wings of a hummingbird or watch a hawk floating on air through the wispy clouds. The jays happily stretched their own beautiful blue feathers and cried out “Jay! Jay! Jay!” whenever it suited their mood.

2 One day, the littlest blue jay spied the proud peacocks parading around the forest floor. He watched as they fanned their glorious tails out toward the sky.

3 “They are so beautiful,” he whispered to himself. “They have the longest and brightest feathers. It must be better to be a peacock than to be a blue jay.”

4 Later that afternoon, when the other blue jays went flying, the littlest blue jay stayed behind. His eyes watched the ground closely. Many different colors of feathers lay on the forest floor.

5 “It isn’t fair,” he mumbled. “The peacocks have so many feathers that they lose them all over the forest. Why can’t I have just one of those beautiful feathers?”

6 After the other blue jays flew away and the peacocks were nowhere in sight, the littlest blue jay flew to the ground. He was all alone there.

7 The littlest blue jay gathered six large peacock feathers. Then he plucked a long blade of grass from the ground. Using the blade of grass like a string, the blue jay tied the feathers to his tail with his beak. He smiled proudly at the colorful fan he had created.

8 “Now I am a peacock!” he declared.

Go On ►



9 The littlest blue jay, now a false peacock, began pecking along the forest floor. When the true
10 peacocks returned, he paused when he saw them.

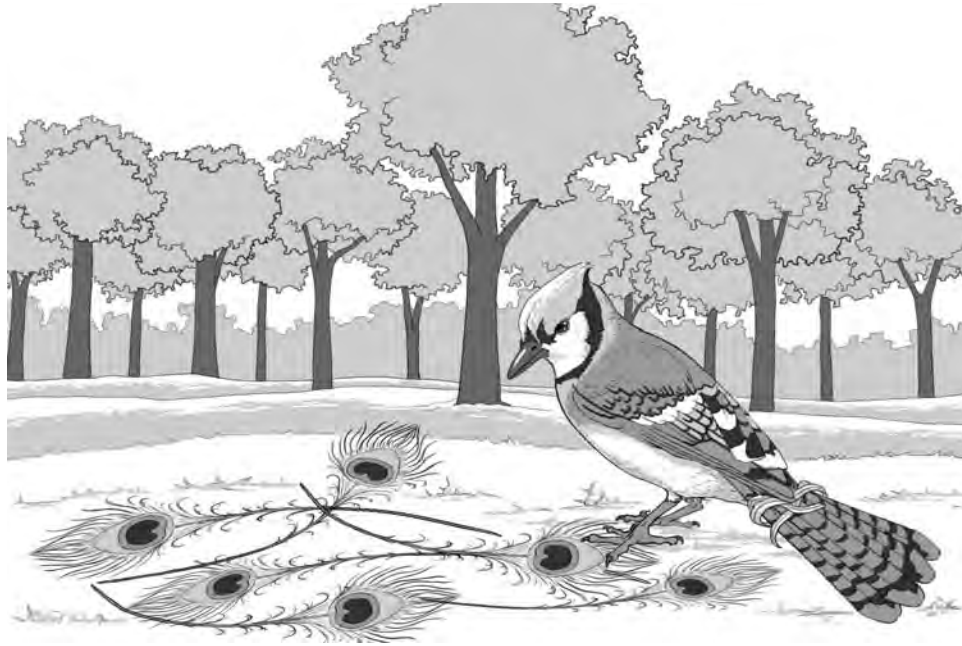
11 “Hello, friends!” the littlest blue jay exclaimed.

12 The peacocks, noticing his fine new tail, greeted him as if he were one of their own. The littlest
13 blue jay grinned with joy. When the other blue jays came home, they spotted the littlest blue jay
14 on the ground with the peacocks. The littlest blue jay looked up at his family, turned his back, and
15 strutted away with his new friends.

16 That night, as the blue jays settled down in their nests on high branches, the littlest blue jay
17 curled up with the peacocks on the forest floor. As he fell asleep, he twitched his new tail and
18 thought to himself, “I’m going to like it here.”

19 In the morning, the blue jays went flying from their nest beds. The littlest blue jay followed the
20 peacocks instead. He pecked like the peacocks, he turned his face to soak up all of the sun’s heat,
21 and he even tried twitching his tail feathers. One of the real peacocks gave a huge swish of his tail.
22 The swish was so large, in fact, that one of his feathers shot off and landed on the ground.

23 The littlest blue jay would not let this bird take all the attention! He strutted to the center of
24 the peacocks and gave his own new tail a mighty swish. He watched in horror as the feathers
25 scattered, one by one, to the forest floor. He was left with nothing but a tattered blade of grass
26 dangling from his tail.



15 The peacocks became angry with the false bird. They yelled at him and shooed him away. The
littlest blue jay quickly retreated and flew to his treetop home.

16 “Hi, everyone!” he said as he landed among the other blue jays.

17 Unfortunately for the littlest blue jay, his family wasn’t too happy to see him either. They
simply looked away and would not speak to the littlest blue jay. The littlest blue jay felt more alone
than he had ever felt before. He lowered his blue head and began to cry. Suddenly, he felt a gentle
tap on his shoulder.

18 Another blue jay, not much bigger than he was, said, “You know, if you feel really sorry for
what you’ve done, maybe you’ve learned a lesson.”

19 The littlest blue jay sniffled and said, “I learned that it is better to be who you are than to
pretend to be something you aren’t.”

20 “Very good,” said the other blue jay. “You are ready. Let’s go find the others.”

21 The littlest blue jay looked up at the other jays flying through the sky. He twitched his own
blue jay tail slowly. He saw how his tail feathers looked like the other birds’ feathers. As he leaped
into the sky to join his family, he smiled and called out, “Jay! Jay! Jay!” He was happy to be a blue
jay again.

28 Read these sentences from Paragraph 15.

They yelled at him and shooed him away. The littlest blue jay quickly retreated and flew to his treetop home.

What does retreated mean?

- F** looked around
- G** jumped over
- H** moved away
- J** called out

29 Read this analogy.

Strutted is to pranced as gathered is to _____.

Choose the word that completes the analogy.

- A** collected
- B** pretended
- C** nested
- D** admired

30 Where does the climax of the story occur?

- F** the oak tree
- G** the forest floor
- H** the sky
- J** the nest

31 What will most likely happen if the littlest blue jay sees the peacocks again?

- A** The littlest blue jay will try to tie more feathers to his tail.
- B** The peacocks will ask the littlest blue jay how to build nests.
- C** The peacocks will be friendlier to the littlest blue jay than before.
- D** The littlest blue jay will be pleased with the tail he has.

32 “False Feathers” is best described as a fable because it

- F** has a plot.
- G** contains a lesson.
- H** has several characters.
- J** contains dialogue.

33 Which sentence from the story best expresses the theme?

- A** “It must be better to be a peacock than to be a blue jay.”
- B** “Why can’t I have just one of those beautiful feathers?”
- C** “You know, if you feel really sorry for what you’ve done, maybe you’ve learned a lesson.”
- D** “I learned that it is better to be who you are than to pretend to be something you aren’t.”

34 The repetition of “Jay, Jay, Jay!” at the beginning and the end of the story helps the reader understand

- F** the language of the blue jays.
- G** the happiness of the blue jays.
- H** that blue jays are loud birds.
- J** how the blue jays call to each other.

Go On ►

Directions Read and answer Numbers 35 through 38.

35 A good group leader should

- A** give compliments for tasks that are completed well.
- B** stay quiet until someone else in the group speaks.
- C** give important tasks to a few people in the group.
- D** allow group members to decide on their own due dates.

36 Marie is writing a speech about the importance of reading for pleasure. What should Marie include at the beginning of her speech?

- F** a story about students reading together
- G** a description of her favorite fiction book
- H** a statement that gets the attention of the audience
- J** a list of her favorite authors

37 Sam is writing a report about famous chalk artists. What information does not belong in a citation for Sam's report?

- A** book title
- B** chapter number
- C** name of author
- D** year of publication

38 Which sentence is written correctly?

- F** "Derek said We will leave early tomorrow morning" for the amusement park.
- G** "Derek said, We will leave early tomorrow morning for the amusement park."
- H** Derek said, "We will leave early tomorrow morning for the amusement park".
- J** Derek said, "We will leave early tomorrow morning for the amusement park."

STOP 

Part 2

Directions Read the story. Then answer Numbers 39 through 42.

The Dolphin Mystery

by Diane E. Hall

1 “Good girl, Maya!” praised Todd, a 12-year-old park volunteer, as he took the candy wrapper from the dolphin and tossed her a fish. Maya, one of the sea life park’s bottlenose dolphins, was learning to retrieve items that had fallen into her tank. “She really loves her treats.”

2 “I think it’s going very well,” remarked Kathy, the dolphin trainer. “Dolphins will usually try to eat anything they find. Teaching them to retrieve items that have dropped or blown into their tank reduces their risk of getting sick or injured. It’s important to do a thorough sweep of the tank every two hours until our work is complete. Didn’t you just finish one?”

3 “Yes, a few minutes ago,” Todd told her.

4 “You apparently missed that wrapper. You’re going to have to be more careful. The other dolphins aren’t trained yet, and they might get hold of something.”

5 “But I always check everywhere,” Todd answered, feeling a little defensive.

6 “Maybe you had better check twice next time,” said Kathy as she walked away.

7 “That wasn’t fair,” thought Todd. He knew he had done a thorough check. There had been nothing left in the tank.

8 Working with the dolphins was a dream come true for Todd. He remembered how thrilled he was when his mom, the park’s veterinarian, told him about the arrangements she had made with the trainer. Todd loved dolphins and planned to get a job at the park when he was older. He even thought about becoming a vet like his mom. Working as a volunteer was going to make this the best summer vacation ever. But tonight, as Todd walked to his mom’s office, his enthusiasm was gone.

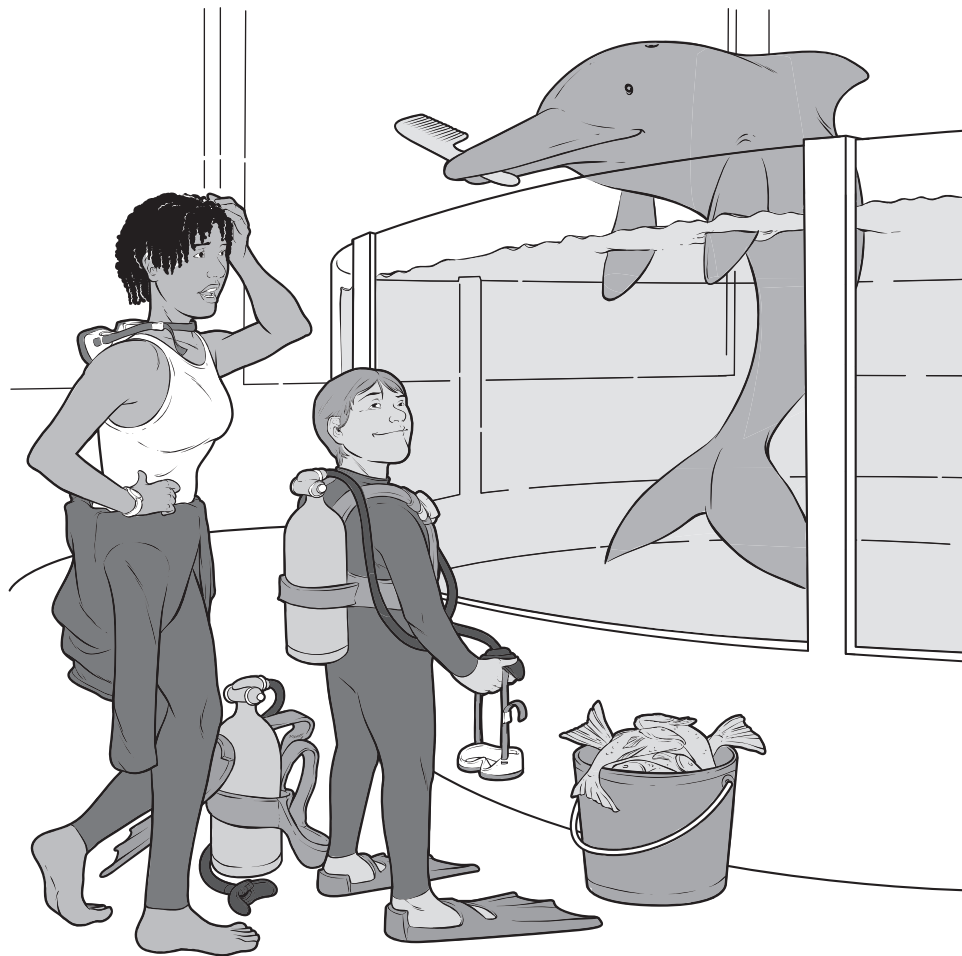
9 “Hi, Todd. How was your day?” asked Mom.

10 Todd explained what had happened and the comments Kathy had made.

11 “Don’t get discouraged, Honey,” Mom said, comforting him with a hug. “It sounds as if you have a bit of a mystery to solve. Maya’s getting those things from somewhere. Maybe you should do a little spying on her.”

12

The next morning, Todd arrived at the park early. He put on his scuba gear and jumped into the tank for his usual underwater sweep. Finding nothing in the tank, he climbed out of the water just in time to see Kathy jumping in on the other side. After the conversation they had yesterday, Todd knew what she was doing. He watched as Kathy performed her underwater search, but Todd wasn't surprised when she surfaced empty-handed. During the tank sweeps, Maya had been swimming playfully, but now the dolphin stopped suddenly and darted to the rear of the tank where the filter box was located. She stuck her nose down behind the box and then swam away. Todd jumped back into the water and swam over to the rear of the tank. "What was Maya doing back here?" he wondered. When he looked behind the box, his question was answered. Todd swam across the tank, following Maya's path, and emerged from the water to find Kathy removing her scuba gear. As Kathy turned around, her mouth dropped open. There was Maya at the edge of the tank with a comb in her mouth, waiting for her treat.



13

"Maya! Where did you get that?" demanded Kathy, taking the comb and tossing her a fish.

14

"I know where she got it," declared Todd, crawling out of the tank with a handful of items still wet from their watery resting place.

15

"What's all this?" Kathy asked, obviously confused.

Go On ►

16 “This is Maya’s secret stash,” proclaimed Todd with a big grin. “Something strange had been going on. You didn’t think I was doing a good job, but I knew I was. I decided to spy on Maya. When you got out of the tank, she swam over to the filter box. I jumped back in to check it out. This is the stuff I found.”

17 From the look on Kathy’s face, Todd knew everything was beginning to make sense.

18 “Do you remember the other day you said that Maya really liked her treats?” asked Kathy. “Well, I think this was more than a training exercise for Maya. I think it was a contest, and you were her opponent. Every time you found something in the tank, that meant one less fish for Maya. She couldn’t bring all the items to me at once, so she found a hiding place for them. That way you came up empty-handed, but Maya would always get her treat.”

19 “Okay, Maya,” said Todd facing the dolphin, “you win! The treats are all yours.”

20 Maya dove to the bottom of the tank, then leapt out of the water, turning a somersault in midair. Maya was smart, but had she actually understood what Todd said? They turned and looked at each other and burst out laughing. Shaking their heads in disbelief, they reached for the bucket of fish. Maya deserved the treat.

by Diane E. Hall/Fun For Kidz Magazine

39 Read this sentence from Paragraph 20.

Shaking their heads in disbelief, they reached for the bucket of fish.

Based on the prefix dis-, the underlined word means

- A believed again.
- B had many beliefs.
- C did not believe.
- D moved toward belief.

40 Why is Kathy surprised when Maya brings her a comb?

- F** Kathy has already given Maya a treat.
- G** Kathy knows Maya does not like plastic objects.
- H** Kathy has just completed a sweep of the tank.
- J** Kathy thinks Todd has done a good job of searching the tank.

41 What most likely will happen the next time Todd sweeps the tank?

- A** He will check behind the filter box for items.
- B** He will find new items that Maya has hidden.
- C** He will miss some items that have fallen in the tank.
- D** He will give Maya some safe items to hide.

42 What is the author's purpose for writing this story?

- F** to persuade readers that sea life parks are safe places for dolphins
- G** to describe the excitement of a boy working with a dolphin
- H** to inform readers about a dolphin that lives at a sea life park
- J** to entertain readers by telling about a boy who works with a dolphin

Directions

Read the drama and answer Numbers 43 through 49.

Mr. Photography

CHARACTERS:**MOM****CARLA RIVERA**, age 12**JULIO RIVERA**, age 11**DAD**

(Setting: A Saturday afternoon at the Riveras' house. MOM, DAD, JULIO, and CARLA enter the backyard.)

MOM: Your surprise moves and lightning-fast speed made the soccer game very exciting to watch, Carla. I think the entire crowd heard me cheering for you, and I could hardly speak for an hour after the game.

CARLA: (Bounces a soccer ball from one knee to the other.) Thanks, Mom. Hey, Mr. Photography, did you get a picture of me scoring that goal? I hope you submit it to the school newspaper.

JULIO: (Takes a picture of CARLA as she skillfully bounces her soccer ball.) Don't worry, I snapped several great ones. Actually, I think I took enough pictures to fill a million photo albums. Well, the fun is over for today. I've got to think about my idea for the class fundraiser.

DAD: Julio, did you finally decide what you'll do?

JULIO: (Hangs his head down and shrugs his shoulders.) Well . . . no.

CARLA: I know it seems like a lot of work. My class has to earn money for our class trip too. What theme did the kids in your class choose?

JULIO: (Slumps down into a patio chair.) Sports.

CARLA: Hey, you're lucky!

JULIO: Unlucky, you mean.

MOM: Why, Julio? You attend almost all the sporting events at school.

JULIO: I love to watch and take pictures of people playing sports, but I don't love to participate in them. Carla's a soccer star, you coach swimming, and Dad plays basketball. Carla said it—I'm Mr. Photography.

DAD: That doesn't mean you can't be a valuable participant in the fundraiser.

MOM: Julio, what exactly do you have to do for the fundraiser?

JULIO: Everyone picks a sports-related activity, and we ask people to sponsor us doing the activity. It's kind of like a walk-a-thon, where people earn money for every mile they walk. The whole event is happening at the community center.

DAD: Which activities are your friends going to do?

JULIO: Sasha is going to shoot baskets. Her sponsors will give her five cents for each basket she makes. You've seen my pictures of Sasha; she's the most experienced player on the basketball team.

CARLA: Why don't you shoot hoops?

JULIO: Carla, don't be ridiculous. I need to earn more than just one nickel! Haven't you seen me play against Dad? I'm lucky if I make one basket during the entire game.

MOM: Have you considered swimming?

JULIO: All of the swimming slots are already filled. The pool isn't big enough to fit any more kids after school. Anyway, Mom, you're the fish in the family.

DAD: You said "sports-related activity," right? Does it actually have to be a sport?

JULIO: Not really. My teacher, Mr. Grant, said to think of original ideas.

DAD: I have an idea. You know a lot about sports. Why don't you host a sports-trivia game? You could earn a nickel for each question you ask.

JULIO: I already thought of the trivia idea, but Mr. Grant said no. Remember last year's fundraiser, Dad? My grade already did a trivia contest.

DAD: (Laughs.) I knew I got that idea from somewhere.

JULIO: Everyone else has thought up great ideas. Max is running laps around the track, Sierra is doing cartwheels, and Carrie is catching softballs. Too bad I can't jump into one of my pictures and become Carla for a day! I could earn hundreds of dollars making goals.

CARLA: Julio, that's the perfect idea!

JULIO: Jumping into a picture?

CARLA: No, taking pictures of your classmates during the fundraiser! Remember when I asked you to take a picture of my entire soccer team so I could give one to our coach? The picture was so outstanding that every player wanted to buy one. You were so modest, though, that you wouldn't accept payment. You just made extra prints of the pictures and gave them away.

JULIO: That is the perfect idea! I could sell the pictures to the participants and their families!

CARLA: Sure! You could take action shots, like the ones you take at all the games!

DAD: Carla's absolutely right! You can get pictures of Sasha shooting a basket and Carrie making a terrific catch . . .

(JULIO races toward the back door.)

MOM: Where are you going?

JULIO: To my room to write everything down. I'm going to ask Mr. Grant about this first thing on Monday morning. I don't want to forget a thing!

CURTAIN

Go On ►

43 Read this excerpt from the drama.

CARLA: . . . The picture was so outstanding that every player wanted to buy one. You were so modest, though, that you wouldn't accept payment.

Which word is a synonym for modest?

- A** eager
- B** humble
- C** casual
- D** skilled

44 Read this excerpt from the drama.

JULIO: (Takes a picture of CARLA as she skillfully bounces her soccer ball.) Don't worry, I snapped several great ones.

Which meaning of the underlined word is used in the excerpt?

- F** struck with a quick motion
- G** broke unexpectedly
- H** took a photograph
- J** spoke sharply

45 Julio's problem is solved when he

- A** agrees to follow Carla's advice.
- B** suggests a trivia game to Mr. Grant.
- C** answers the questions Mom asks.
- D** listens to Dad's idea.

46 Read this excerpt from the drama.

***JULIO:** Carla, don't be ridiculous. I need to earn more than just one nickel! Haven't you seen me play against Dad? I'm lucky if I make one basket during the entire game.*

The reader can infer from this excerpt that Julio

- F** cannot make enough money for the fundraiser because he dislikes basketball.
- G** needs to make a large amount of money during the fundraiser.
- H** wants to be successful in his fundraiser event.
- J** lacks the skills to play basketball at the fundraiser.

47 Julio's family tries to help Julio solve his problem by reminding him

- A** to make his own decisions.
- B** to try harder at playing different kinds of sports.
- C** that he takes photographs for the school newspaper.
- D** that he is a talented photographer.

48 Read this excerpt from the drama.

***JULIO:** . . . Actually, I think I took enough pictures to fill a million photo albums.*

Which literary device is used in the excerpt?

- F** hyperbole
- G** onomatopoeia
- H** personification
- J** simile

Go On ►

49 During most of the drama, which word would Julio's family use to describe him?

- A** playful
- B** grouchy
- C** encouraging
- D** concerned

Directions

Michael wrote this report for his history class. It contains mistakes. Read the report and answer Numbers 50 through 59.

- 1 Some jobs are not as necessary today as they were many years ago. One such job is that of a blacksmith. A blacksmith is a person who works with iron, which is a strong metal found below the ground. Working with metal takes many years of practice. A very skilled iron worker is called a master blacksmith.
- 2 Blacksmiths use fire to heat and melt iron. Sometimes they use a special kind of hammer to make the heated metal into usable things. Other times, after the iron is melted, blacksmiths pour the hot liquid into a mold to make cooking pots or tools. Trained blacksmiths wear some type of clothing that protects them. Then the mold with the hot liquid is placed into water. This cools the iron and makes it hard again. When the liquid iron in the mold becomes solid again, the mold is removed, revealing the new object.
- 3 Early metal workers played an important role in the history of America. Interestingly, because of their skill with tools, some blacksmiths even worked as dentists. In the early 1700s, blacksmiths made items that helped other people do their own work. For example, blacksmiths made tools for farmers and repaired wagon wheels. They also made and fitted horses with special metal shoes.
- 4 When factories began using machines to make metal parts, blacksmiths were no longer needed for not doing this job. They became a part of history. Still, the work of master blacksmiths can be found all over the United States. Many of the tools blacksmiths made or used are displayed for the public to see.
- 5 However, there are a small number of men and women who still practice this trade. Some choose to create works of art from iron others perform repairs by special request. Even though there is not many blacksmiths working today, the blacksmith trade is still an important part of American history.

50 Read this sentence from Paragraph 5.

Even though there is not many blacksmiths working today, the blacksmith trade is still an important part of American history.

What is the correct way to write the underlined verb?

- F** was
- G** were
- H** are
- J** correct as is

51 Read this sentence from Paragraph 4.

When factories began using machines to make metal parts, blacksmiths were no longer needed for not doing this job.

What is the correct way to write the underlined part of the sentence?

- A** no blacksmiths were not needed for this job
- B** blacksmiths were not needed for this job no longer
- C** blacksmiths were no longer needed for this job
- D** correct as is

52 Who would be most interested in reading this report?

- F** a person who wants to learn how to make things from iron
- G** a person who works in a factory where iron products are made
- H** a student who is doing research about the mining process
- J** a student who wants to learn about a job that people did long ago

53 Which title is best for this report?

- A** Necessary Iron-Working Jobs
- B** Tools for Master Blacksmiths
- C** Iron Workers: Today and Tomorrow
- D** The Blacksmith Trade in America

54 Which sentence from Paragraph 2 is irrelevant and should be removed?

- F** Other times, after the iron is melted, blacksmiths pour the hot liquid into a mold to make cooking pots or tools.
- G** Trained blacksmiths wear some type of clothing that protects them.
- H** Then the mold with the hot liquid is placed into water.
- J** When the liquid iron in the mold becomes solid again, the mold is removed, revealing the new object.

Go On ►

55 Which sentence would be the best conclusion for Paragraph 1?

- A** A person must train for many years before earning this title.
- B** A person who takes iron or other metals out of the ground is called a miner.
- C** Iron is one of several different metals that can be found below the ground.
- D** Humans probably learned how to make things from iron thousands of years ago.

56 Read Paragraph 3.

(1) Early metal workers played an important role in the history of America. (2) Interestingly, because of their skill with tools, some blacksmiths even worked as dentists. (3) In the early 1700s, blacksmiths made items that helped other people do their own work. (4) For example, blacksmiths made tools for farmers and repaired wagon wheels. (5) They also made and fitted horses with special metal shoes.

What is the best order for these sentences?

- F** 1, 2, 4, 5, 3
- G** 1, 3, 4, 5, 2
- H** 1, 5, 2, 3, 4
- J** correct as is

57 Read the topic sentence of Paragraph 4.

Still, the work of master blacksmiths can be found all over the United States.

Which detail best supports the sentence?

- A** Some of the first blacksmith workshops are now historical landmarks.
- B** Blacksmiths also worked in other parts of the world.
- C** There were many blacksmith workshops in northeastern areas.
- D** Many people would be interested in how to work with metals.

58 Read this sentence from Paragraph 2.

Sometimes they use a special kind of hammer to make the heated metal into usable things.

Which revision of the underlined part of the sentence uses the most vivid words?

- F** to make the iron into stuff people can use
- G** to take the iron and turn it into parts people recognize
- H** to pound hot pieces of iron into tools and utensils
- J** to hit it when it is hot and create new forms

59 Which image best supports the ideas in Michael's report?

- A** a photo of a sign on an old barn that reads "Blacksmith"
- B** a drawing of a wagon wheel used in the early 1700s
- C** a copy of a painting that shows a horse with metal shoes
- D** a photo of some of the tools that blacksmiths once used

Go On ►

Directions

Eleni gave this speech at her aunt's school. Read the speech. Then answer Numbers 60 through 65.

Sunday, Sunday

- 1 *Kalimera!* That means “Good morning!” in Greek. I am very happy to speak to you today. My name is Eleni, and I live in Athens, Greece. I am here in the United States to visit my aunt and uncle. My aunt is the principal here at Green Gables Elementary School.
- 2 My aunt asked me to speak about life in Greece. During the week, I go to school Monday through Friday just like students here in the United States. We study math, science, history, and both the Greek and English languages.
- 3 In Greece, school does not start until 8:45 A.M., so I have plenty of time to get ready and eat breakfast. During the week, I have a rusk, or thick slice of bread, soaked in milk. At 8:00 A.M., I wait on the corner for the tram. A tram is a street car that runs on a track. Several of my friends are usually on the same tram. We talk and laugh all the way to school.
- 4 I enjoy school, but my favorite day of the week is Sunday. For Sunday breakfast in Greece, we have warm breads, which are similar to Americans pastries, and fruit. The breads are sticky with honey and flavored with walnuts and cinnamon. My mother and father, Mama and Bampas, talk about the plans for the day during breakfast. My older brother, Nikko, usually plays soccer with his friends. Mama and I like to go shopping, and Bampas meets us for lunch.
- 5 Mama and I leave for the *Monastiraki* after breakfast. This giant outdoor market is a thrilling adventure every time we go. Shopkeepers set up stalls in the center of town, and people can buy just about anything. Stall owners sell T-shirts, onions, old lamps, handmade candles, and a dozen kinds of olive oil. There is even a shop that sells only hot dogs.



- 6 Mama and I usually take a tram to the Monastiraki. We bring canvas bags to carry home the foods that we buy for our special Sunday evening meal. My grandfather, *Pappous*, and my grandmother, *Yiayia*, always come to our apartment for Sunday dinner. Mama and I usually buy fresh fish, tiny red potatoes, eggplant, onions, and fresh oregano. We also go to the baker's stall and select almond cookies, spice cookies, and an orange cake called *sevani*. After shopping, we meet Bampas for lunch at a street café and have *souvlaki*. If you have never had this dish, souvlaki is grilled chicken or lamb and vegetables that we eat with pita bread. Delicious!
- 7 By the time we return to our apartment, it is time to start cooking. Mama prepares a dish of eggplant and cheese before Pappous and Yiayia arrive. In Greece, family meals are eaten more slowly than in the United States. We often spend over two hours at the dinner table, finishing the meal with cookies and cake. By the time we finish talking and laughing together on Sunday evenings, it is usually 9:00 P.M. I head off to bed because I have school the next day.
- 8 As you can tell, I enjoy my life in Greece. My aunt and uncle have visited many times, and they always like the foods and enjoyable activities. Many of the foods here are different to me, but I like experiencing American culture. I know you would all enjoy Greek culture too.

60 Who would be most interested in listening to this speech?

- F** people who enjoy studying a foreign language
- G** people who are interested in cooking new foods
- H** people who have traveled to different parts of the world
- J** people who want to learn about life in other countries

61 Choose the best summary of the speech.

- A** Eleni lives in Greece and is visiting her aunt in the United States. She enjoys going to school on weekdays, but her favorite day is Sunday. On that day, she and her mother shop at an outdoor market, and her whole family enjoys wonderful foods.
- B** Eleni is visiting the United States from Greece. Her aunt asks her to speak about life in Greece. She enjoys school and eating the delicious foods her mother cooks each Sunday.
- C** Eleni, who is in the United States visiting her aunt, goes to school in Greece from Monday to Friday. She studies math, science, history, and both the Greek and English languages. On Sundays, she eats pastries and goes to the market with her mother.
- D** Eleni enjoys her home in Greece. Every Sunday, Eleni and her mother shop at the Monastiraki, a giant outdoor market in her city. They buy food for their special Sunday meal.

62 A student created this chart after listening to Eleni's speech.

Greek Word	Meaning
Kalimera	Good morning
Monastiraki	Outdoor market
Pappous	Grandfather
Yiayia	Grandmother
Sevani	Orange cake
Souvlaki	?

Which meaning belongs in the blank?

- F** Spice cookies
- G** Eggplant with cheese
- H** Grilled lamb or chicken with vegetables
- J** Thick piece of bread soaked in milk

63 Which sentence from the speech contains an opinion?

- A** My aunt asked me to speak about life in Greece.
- B** My older brother, Nikko, usually plays soccer with his friends.
- C** This giant outdoor market is a thrilling adventure every time we go.
- D** Mama and I usually take a tram to the Monastiraki.

Go On ►

64 Which question is answered by reading the speech?

- F** What do most children in Greece do on Saturdays?
- G** How do some Greek students get to school each day?
- H** What type of shop sells the most goods at markets in Greece?
- J** How do Greek families celebrate important holidays?

65 What is the main idea of the photograph included with the speech?

- A** Items sold at the market are usually not very expensive.
- B** Shopkeepers leave their goods at noon in order to eat lunch.
- C** Many types of goods are sold at the outdoor market.
- D** Many shopkeepers have unsold goods at the end of each day.

Directions

Read the poem. Then answer Numbers 66 through 71.

On The Trail

On the trail we reach and climb,
Four friends in the summertime
Watching our steps as we hike along
Humming together to nature's song.

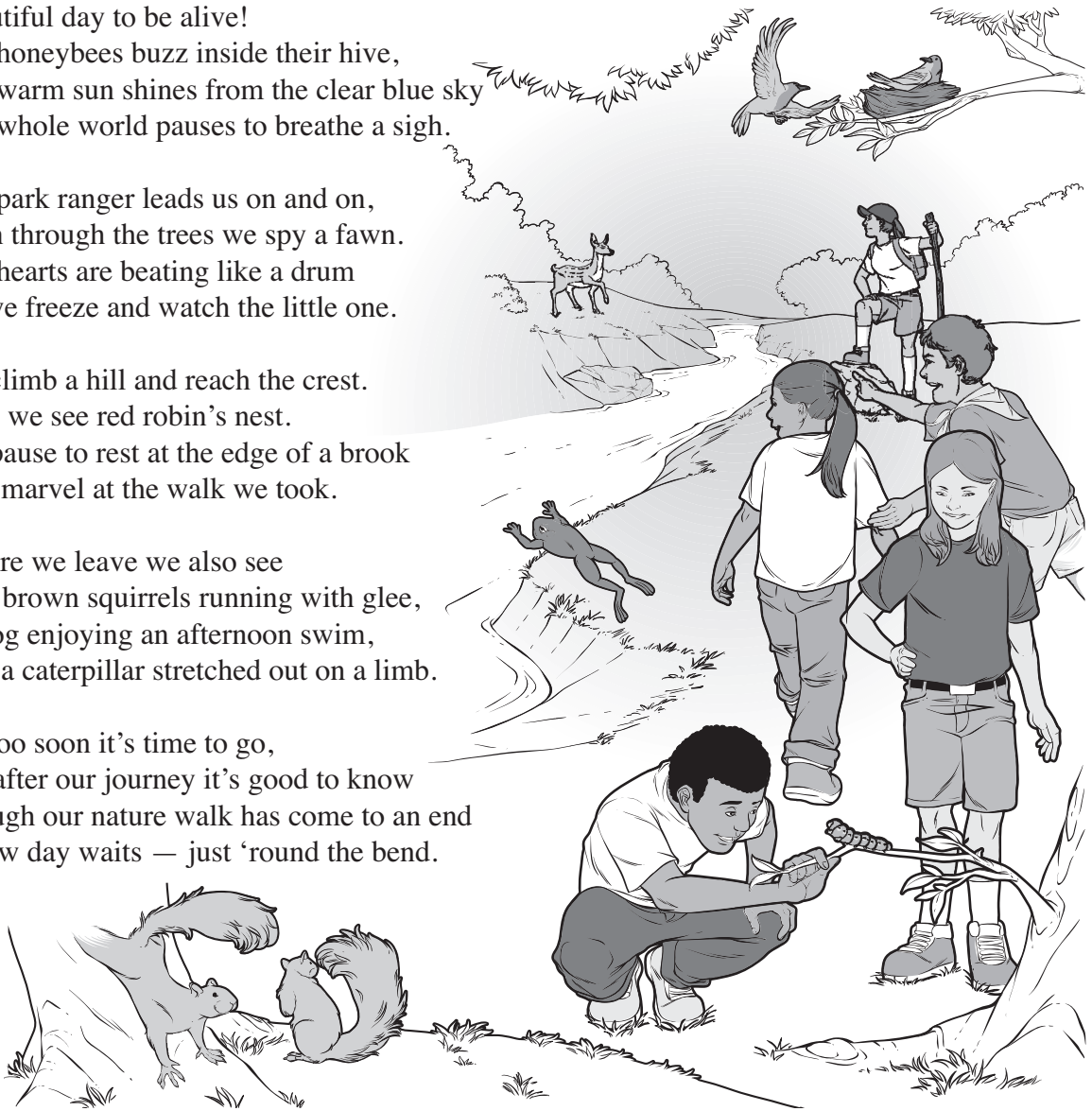
5 Beautiful day to be alive!
The honeybees buzz inside their hive,
The warm sun shines from the clear blue sky
The whole world pauses to breathe a sigh.

The park ranger leads us on and on,
10 Then through the trees we spy a fawn.
Our hearts are beating like a drum
As we freeze and watch the little one.

We climb a hill and reach the crest.
Here we see red robin's nest.
15 We pause to rest at the edge of a brook
And marvel at the walk we took.

Before we leave we also see
Two brown squirrels running with glee,
A frog enjoying an afternoon swim,
20 And a caterpillar stretched out on a limb.

All too soon it's time to go,
But after our journey it's good to know
Though our nature walk has come to an end
A new day waits — just 'round the bend.



Go On ►

66 Read Line 13 from the poem.

We climb a hill and reach the crest.

What does the word crest mean?

- F** slope
- G** top
- H** horizon
- J** end

67 Which line from the poem best shows that the friends are enjoying their hike?

- A** On the trail we reach and climb,
- B** Humming together to nature's song.
- C** The park ranger leads us on and on,
- D** But after our journey it's good to know

68 During the children's hike, which event happens last?

- F** The children see a caterpillar.
- G** The children find the nest of a robin.
- H** The children spy a fawn.
- J** The children pause to rest.

69 The reader can tell that “On the Trail” is a poem because it

- A** has a narrator.
- B** takes place in nature.
- C** uses descriptive words.
- D** has a regular rhythm.

70 What is the implied theme of this poem?

- F** Exercise is important in the lives of children.
- G** Days seem short when one is having fun with friends.
- H** Nature is simple, yet remarkable.
- J** Hiking can be fun, but it is also tiring.

71 The sound device used most often in this poem is

- A** onomatopoeia.
- B** alliteration.
- C** repetition.
- D** rhyme.

Directions Read and answer Numbers 72 through 75.

72 Ginger is reading a book about snowboarding. Read this list of chapters in the book.

Chapter 1 – A Short History of Snowboarding

Chapter 2 – The Greatest Snowboarders in the World

Chapter 3 – Super Snowboarding Gear

Chapter 4 – The Growing Sport of Snowboarding

In which chapter would Ginger most likely learn about the invention of snowboarding?

F Chapter 1

G Chapter 2

H Chapter 3

J Chapter 4

73 A student is making a banana split using this recipe.

Making a Banana Split

1. *Enjoy this yummy dessert!*
2. *After the banana has been sliced, set the banana halves in a serving dish.*
3. *Place three scoops of ice cream on the banana halves.*
4. *First, slice a banana in half from end to end.*
5. *Top the ice cream and banana halves with chocolate syrup and whipped cream.*

The steps are out of sequence. What is the best order for the steps?

A 1, 4, 5, 3, 2

B 2, 3, 4, 1, 5

C 4, 2, 3, 5, 1

D 4, 5, 2, 1, 3

74 Look at this photograph.



What is the mood of the photograph?

- F** excited
- G** serious
- H** nervous
- J** thankful

Go On ►

75 Look at this sign.



What is the purpose of the sign?

- A** to persuade people to learn proper ways to fish
- B** to entertain people with an interesting picture of a person fishing
- C** to communicate to people that fishing is not permitted in the area
- D** to inform people that there are no fish in the water

STOP 

**DO NOT
MARK
ON THIS
PAGE**

**DO NOT
MARK
ON THIS
PAGE**

Mathematics



Part 1

1 Sam's teacher has a rectangular prism in a bag. She is giving Sam clues to help him determine if the rectangular prism is also a cube. The clues Sam's teacher has given him are listed below.

- The width of the prism is 2 inches.
- The height of the prism is 2 inches.
- The prism has a volume of 8 cubic inches.
- The prism has 6 faces and 8 vertices.

Which clue is not needed to determine if the rectangular prism is a cube?

- A** The width of the prism is 2 inches.
- B** The height of the prism is 2 inches.
- C** The prism has a volume of 8 cubic inches.
- D** The prism has 6 faces and 8 vertices.

Go On ►

2 Monica used three different colors to paint a rectangle.

- $\frac{1}{2}$ of the rectangle is painted blue.
- $\frac{1}{6}$ of the rectangle is painted yellow.
- The rest of the rectangle is painted green.

What fraction of the rectangle is painted green?

F $\frac{3}{4}$

G $\frac{2}{3}$

H $\frac{1}{3}$

J $\frac{1}{12}$

3 A package of 50 balloons was shared by 6 people.

- Each person received 8 balloons.
- There were 2 balloons left over.

Based on this information, which statement is not true?

A Out of the package of 50 balloons, people received 48 of the balloons.

B Denise has $\frac{2}{8}$ of the balloons she needs in order for each person to have 9 balloons.

C In order for each person to receive another balloon, Denise needs 4 more balloons.

D There are 2 leftover balloons because the package of 50 balloons cannot be divided by 6 evenly.

- 4** What is the value of the expression below?

$$18 + 9 \div 3 - 2 \times 4 - \frac{3}{8}$$

F $27\frac{5}{8}$

G $13\frac{3}{8}$

H $12\frac{5}{8}$

J $1\frac{3}{8}$

- 5** Which statement is true?

A $140.02 = 104.02$

B $140.02 < 104.2$

C $104.02 = 104.2$

D $104.02 < 140.2$

- 6** The triangular sign shown below has a height of 14 inches and a base length of 18 inches.



$$\text{Area} = \frac{1}{2} \text{base} \times \text{height}$$

What is the area of this sign?

- F** 126 square inches
- G** 252 square inches
- H** 504 square inches
- J** 756 square inches

7 Carmen used a cart to deliver packages.

- The packages she delivered weighed a total of 574 pounds.
- She carried a total of 50 pounds or less in her cart on each trip she made.

What is the fewest number of trips Carmen could have made to deliver all of these packages?

- A** 9
B 10
C 11
D 12

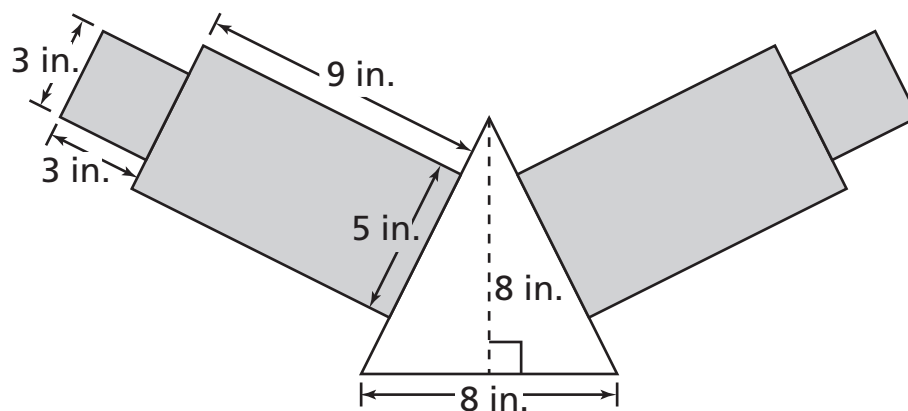
8 What is the value of the expression below, when $p = \frac{1}{4}$?

$$9\frac{3}{4} + \left(\frac{5}{8} - \frac{3}{8}\right) + p$$

- F** 11
G $10\frac{1}{4}$
H 10
J $9\frac{3}{4}$

Go On ►

- 9** Danny used a triangle, two congruent rectangles, and two congruent squares to create the design shown below. The dimensions of the design are shown in inches.



$$\text{Area of rectangle} = \text{length} \times \text{width}$$

$$\text{Area of triangle} = \frac{1}{2} \times \text{base} \times \text{height}$$

What is the combined area of the shaded parts and the unshaded part?

- A** 108 square inches
- B** 131 square inches
- C** 140 square inches
- D** 172 square inches

10 A nickel has a thickness of 1.95 millimeters. Which number is equivalent to 1.95?

F $1\frac{19}{20}$

G $1\frac{9}{5}$

H $1\frac{1}{5}$

J $1\frac{19}{200}$

Go On ►

11

The table below shows the amount of time Braden spent reading each day for five days.

Reading Time

Day	Amount of Time (hours)
Monday	$1\frac{3}{4}$
Tuesday	$2\frac{1}{6}$
Wednesday	$1\frac{9}{10}$
Thursday	$\frac{57}{60}$
Friday	$2\frac{2}{3}$

Which estimate is closest to the total number of hours Braden spent reading on these five days?

- A** 6 hours
- B** 7 hours
- C** 10 hours
- D** 14 hours

- 12** The table below shows the populations of five Tennessee cities in 2006.

Populations

City	Population
Jackson	62,711
Clarksville	113,175
Bristol	25,351
Memphis	670,902
Franklin	55,870

What is the median of these populations?

- F** 62,711
- G** 55,870
- H** 37,360
- J** 25,351

- 13** Freddie's family packed three suitcases for a vacation. The weight of each suitcase is listed below.

$$24\frac{13}{16} \text{ pounds, } 34.25 \text{ pounds, } 41\frac{5}{8} \text{ pounds}$$

What is the combined weight of these three suitcases?

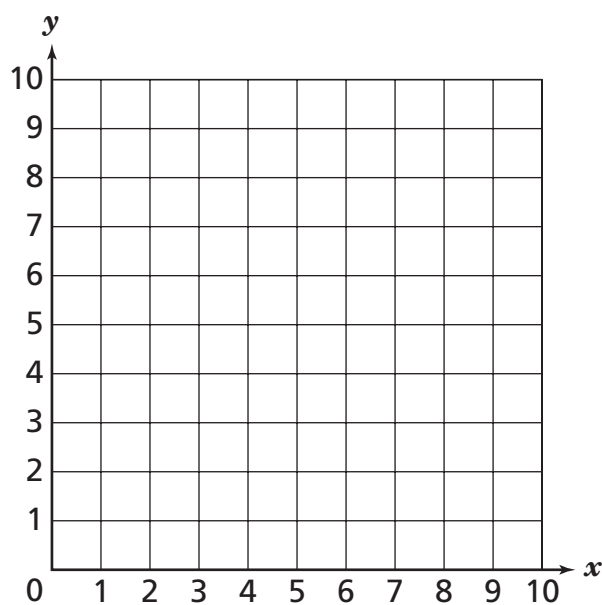
- A** $100\frac{67}{80}$ pounds
- B** $100\frac{11}{16}$ pounds
- C** $100\frac{3}{16}$ pounds
- D** $99\frac{19}{28}$ pounds

- 14** What value of y makes this statement true?

$$y - 9\frac{1}{7} = 10$$

- F** $\frac{6}{7}$
- G** $9\frac{6}{7}$
- H** 19
- J** $19\frac{1}{7}$

- 15** A coordinate grid is shown below.



A line segment that is $4\frac{1}{2}$ units long will be drawn on the grid. Which list of coordinate pairs could represent the locations of the endpoints of this line segment?

- A** $(1, 2), \left(5\frac{1}{2}, 2\right)$
- B** $\left(1, 3\frac{1}{2}\right), \left(1, 7\frac{1}{2}\right)$
- C** $\left(2\frac{1}{2}, 2\frac{1}{2}\right), \left(6\frac{1}{2}, 2\frac{1}{2}\right)$
- D** $(2, 6), \left(2\frac{1}{2}, 6\right)$

Go On ►

16 Which number is equivalent to the number written below?

$$10\frac{4}{25}$$

F $10\frac{16}{10}$

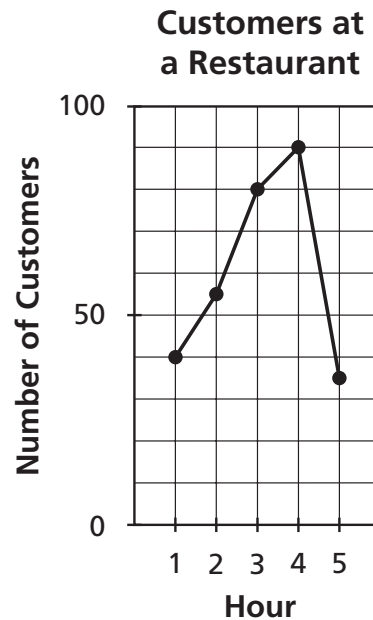
G $10\frac{425}{1,000}$

H 10.16

J 10.016

17

The graph below shows the numbers of customers at a restaurant at the ends of five different hours.



Which table is best represented by this graph?

Customers at a Restaurant

A

Hour	Number of Customers
1	40
2	60
3	80
4	90
5	40

Customers at a Restaurant

C

Hour	Number of Customers
1	40
2	55
3	90
4	90
5	35

Customers at a Restaurant

B

Hour	Number of Customers
1	40
2	55
3	80
4	90
5	35

Customers at a Restaurant

D

Hour	Number of Customers
1	49
2	51
3	98
4	99
5	48

Go On ►

18 Jana has 125 songs on her music player.

- She puts these songs on playlists, with 20 songs on each playlist.
- She does not put the same song on more than one playlist.

After Jana makes the greatest number of playlists possible, which statement is true?

- F** Jana has $\frac{5}{20}$ of the songs she needs to make another playlist.
- G** Jana has 15 of the songs she needs to make another playlist.
- H** Jana has $\frac{5}{125}$ of the songs she needs to make another playlist.
- J** Jana has 6 of the songs she needs to make another playlist.

19 The width of a human hair is about twenty-five millionths of a meter. How is twenty-five millionths written in standard form?

- A** 2,500,000
- B** 25,000
- C** 0.00025
- D** 0.000025

- 20** The table below shows the number of students in each of six classrooms.

Students

Classroom	Number of Students
A	21
B	14
C	15
D	19
E	20
F	19

What is the mean number of students in these classrooms?

- F** 7
- G** 18
- H** 19
- J** 108

- 21** Solve:

$$90\frac{2}{3} + 16\frac{5}{18} =$$

- A** $107\frac{1}{6}$
- B** $106\frac{17}{18}$
- C** $106\frac{7}{18}$
- D** $106\frac{1}{3}$

Go On ►

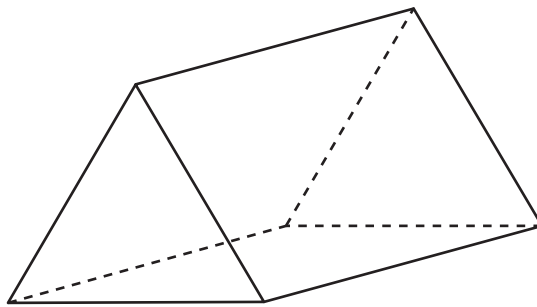
22 Look at the inequality below.

$$5 \cdot n < 30$$

Which set contains only values of n that make this inequality true?

- F** {25, 28, 29}
- G** {22, 23, 24}
- H** {4, 5, 6}
- J** {1, 4, 5}

23 A three-dimensional figure is shown below.



- Each triangular face has an area of 28.29 square centimeters.
- Each rectangular face has an area of 72 square centimeters.

What is the total surface area of this figure?

- A** 272.58 square centimeters
- B** 244.29 square centimeters
- C** 228.87 square centimeters
- D** 100.29 square centimeters

- 24** Ms. Flores climbed all 897 steps at the Washington Monument in 3 hours. She climbed the same number of steps each hour. What is the total number of steps Ms. Flores climbed each hour?

F 232
G 290
H 299
J 366

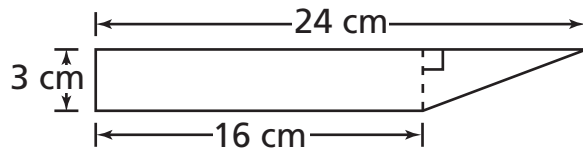
- 25** The list below shows the weights, in pounds, of nine babies in a nursery.

$$8\frac{3}{4}, 6, 7\frac{1}{4}, 7\frac{13}{16}, 9, 8\frac{3}{4}, 6, 8\frac{3}{4}, 8\frac{1}{8}$$

What is the mode of these weights?

- A** 3 pounds
B 6 pounds
C $8\frac{1}{8}$ pounds
D $8\frac{3}{4}$ pounds

- 26** Theo drew the figure below.



Area of rectangle = length \times width

Area of triangle = $\frac{1}{2} \times$ base \times height

What is the area of the figure?

- F** 12 sq cm
- G** 48 sq cm
- H** 60 sq cm
- J** 72 sq cm

- 27** Which inequality is true?

- A** 1,580 $>$ 158.0
- B** 1,580 $>$ 15,800
- C** 158.00 $>$ 158.0
- D** 158.00 $>$ 1,580

28 What is the value of the expression below?

$$\frac{3}{5} + 36 \div 2 \cdot 3 - \frac{1}{10}$$

F $6\frac{1}{2}$

G $53\frac{9}{10}$

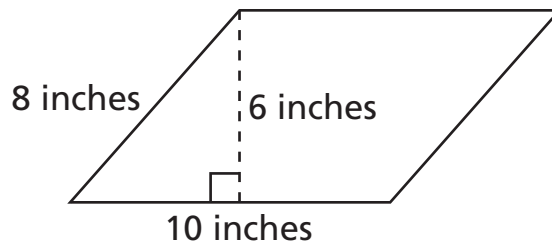
H $54\frac{2}{5}$

J $54\frac{1}{2}$

STOP 

Part 2

- 29** The top face of a box shaped like a parallelogram is shown below.



$$\text{Area} = \text{base} \times \text{height}$$

What is the area of the top face of the box?

- A** 16 square inches
- B** 30 square inches
- C** 60 square inches
- D** 80 square inches

- 30** There are 117 visitors waiting to be put into groups at a museum. Each group can have 14 visitors at most. What is the fewest number of groups that will be needed for these visitors?

F 8

G 9

H 12

J 13

- 31** What is the value of the expression below, when $r = 8.05$?

$$(90.5 - r) + (5 \times 20) + r$$

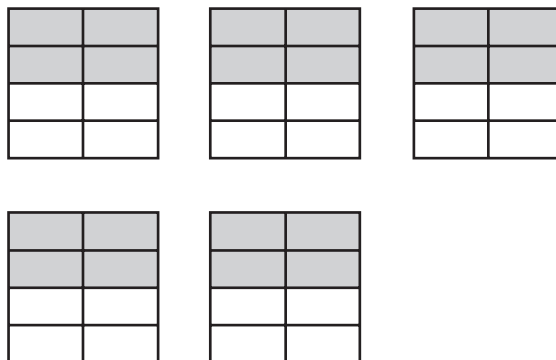
A 1,757.05

B 222.7

C 190.5

D 57.8

- 32** The model below is shaded to represent a number.



Which number cannot be represented by this model?

F 2.5

G $\frac{10}{4}$

H $2\frac{4}{8}$

J $\frac{20}{5}$

33 Ben woke up at 7:00 A.M.

- He spent exactly 8 hours at work.
- He started working on his computer at 8:45 A.M.
- He arrived home at 6:45 P.M.

What other information is needed to determine the amount of time Ben takes to get home from work?

- A** the time at which Ben left work to go home
- B** the time at which Ben left home to go to work
- C** the time at which Ben started getting ready for work
- D** the time at which Ben stopped working on his computer

34 Solve:

$$16.384 - 8\frac{3}{4} =$$

- F** 8.434
- G** 8.044
- H** 7.634
- J** 7.534

Go On ►

35 What value of t makes this statement true?

$$t - 3\frac{5}{6} = 9\frac{2}{6}$$

A $13\frac{1}{6}$

B $12\frac{1}{6}$

C $6\frac{1}{2}$

D $5\frac{1}{2}$

36 The Tesoro family drank 3.4 gallons of milk in one week. Which number is equivalent to 3.4?

F $\frac{34}{1}$

G 3.40

H 3.04

J $\frac{34}{100}$

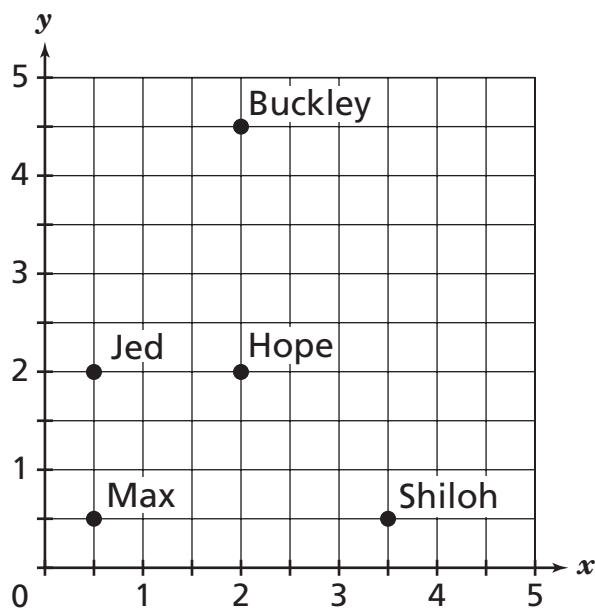
37 Mrs. Martin cut a pineapple into 18 equal pieces.

- She gave each of her 4 children an equal number of the pieces.
- Mrs. Martin got the leftover pieces.
- Mrs. Martin got fewer pieces than each child.

Based on this information, which statement could be true?

- A** Mrs. Martin got $\frac{2}{18}$ of a piece.
- B** Mrs. Martin got 16 pieces.
- C** Mrs. Martin got 0.5 of a piece.
- D** Mrs. Martin got 2 pieces.

- 38** The coordinate grid below shows the locations of five dogs at a dog park.



Which two dogs appear to be 3 units apart?

- F** Max and Jed
- G** Max and Shiloh
- H** Hope and Jed
- J** Hope and Buckley

39

A unit of mass, called a slug, can be converted to kilograms by multiplying by the number below.

Fourteen and five thousand, nine hundred thirty-nine ten thousandths

How is this number written in standard form?

- A** 14,005,939
- B** 145,939
- C** 14.5939
- D** 14.05939

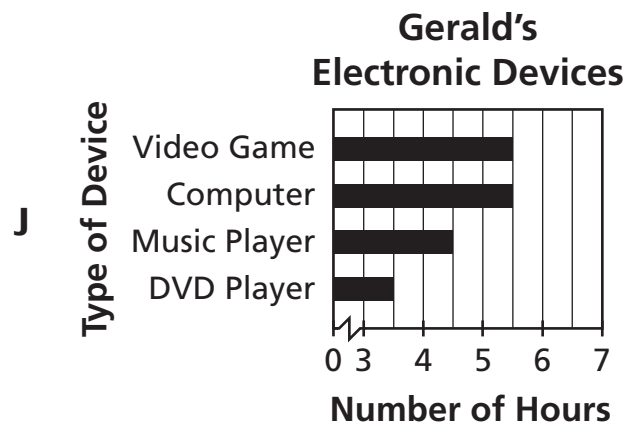
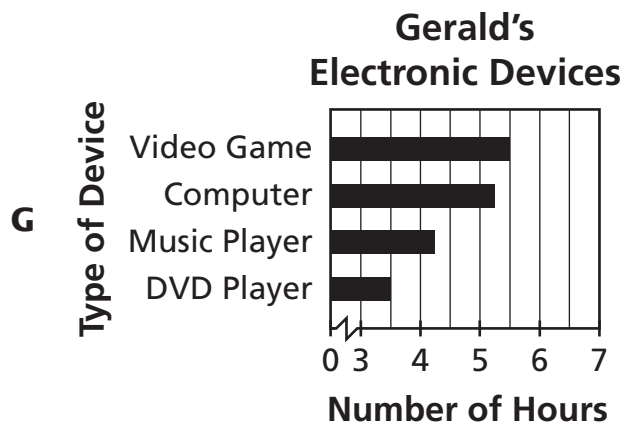
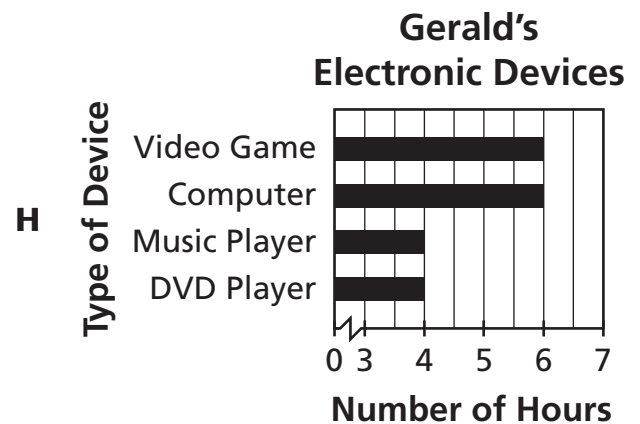
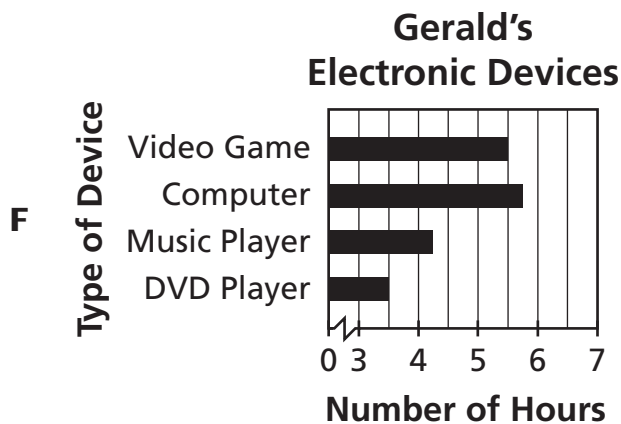
Go On ►

The table below shows the numbers of hours Gerald spent using different types of electronic devices during one week.

**Gerald's
Electronic Devices**

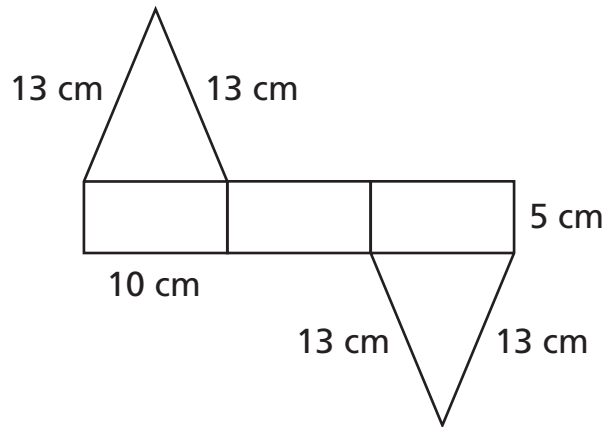
Type of Device	Number of Hours
Video Game	$5\frac{1}{2}$
Computer	$5\frac{3}{4}$
Music Player	$4\frac{1}{4}$
DVD Player	$3\frac{1}{2}$

Which graph best represents the data in the table?



41

Rebecca drew a design with two triangles and three congruent rectangles, as shown below.



What is the perimeter of Rebecca's design?

- A** 150 cm
- B** 102 cm
- C** 82 cm
- D** 50 cm

Go On ►

42 Two teams, the Hawks and Eagles, played in a basketball game.

- $\frac{5}{8}$ of the players on the Hawks team scored points in the game.
- $\frac{3}{4}$ of the players on the Eagles team scored points in the game.

What is the difference between the fractions of players who scored points on these two teams?

F $\frac{11}{8}$

G $\frac{2}{3}$

H $\frac{1}{2}$

J $\frac{1}{8}$

43 David has two ropes, with the lengths listed below.

- The first rope has a length of $19\frac{1}{8}$ inches.
- The second rope has a length of $39\frac{3}{4}$ inches.

Which estimate is closest to the difference between the lengths of David's ropes?

A 10 inches

B 21 inches

C 30 inches

D 61 inches

- 44** What is the value of the expression below?

$$10 \times \left(\frac{5}{10} - \frac{1}{2} \right) + 6$$

F 6

G 7

H $10\frac{1}{2}$

J $11\frac{1}{2}$

- 45** The inequality below shows how Keaton's age compares with two other ages.

$$12\frac{1}{2} \text{ years} > \text{Keaton's age} > 11\frac{1}{4} \text{ years}$$

Which age could be Keaton's age?

A 12.75 years

B 12.5 years

C 11.5 years

D 11.25 years

Go On ►

46 What value of n makes this statement true?

$$48\frac{1}{6} + n = 102\frac{2}{3}$$

F $54\frac{1}{3}$

G $54\frac{1}{2}$

H $146\frac{1}{3}$

J $150\frac{5}{6}$

47 There are 106 children going on a field trip. The children will be put into groups of 6 or fewer students. Each group of students must have 1 adult supervisor. What is the fewest number of adult supervisors needed for this field trip?

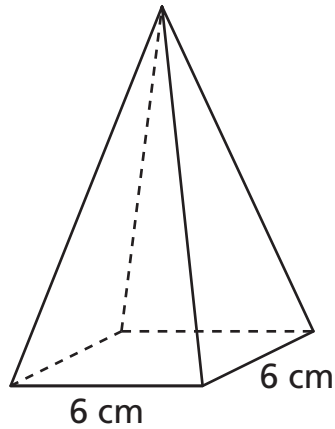
A 18

B 17

C 14

D 11

- 48** The square pyramid below has a height of 11 centimeters.



$$\text{Volume} = \frac{1}{3} \times \text{base area} \times \text{height}$$

What is the volume of the square pyramid?

- F** 22 cm³
- G** 44 cm³
- H** 132 cm³
- J** 396 cm³

- 49** A set of numbers is shown below.

$$\{78, 80, 82\}$$

Which inequality is true, when x is replaced by each of the numbers in this set?

- A** $x < 82$
- B** $x < 90$
- C** $x > 82$
- D** $x > 90$

- 50** A worker spent \$564 on supplies to remodel 12 rooms in an office. The worker spent the same amount of money to remodel each room. What is the total amount of money the worker spent to remodel each room?

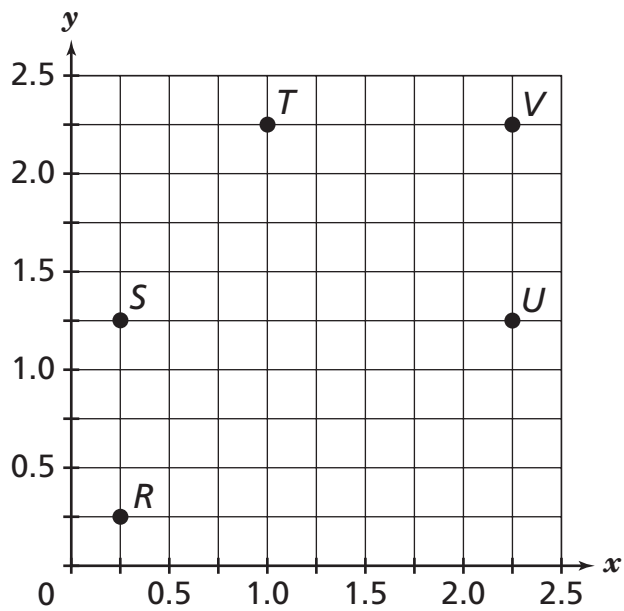
- F** \$40
- G** \$41
- H** \$42
- J** \$47

- 51** What is the value of the expression below, when $k = 3.7$?

$$25(k + 10.3) - k$$

- A** 350
- B** 346.3
- C** 257.5
- D** 99.1

- 52** Five points are labeled on the coordinate grid below.



Which two points appear to be 1.25 units apart?

- F** Point *R* and Point *S*
- G** Point *S* and Point *U*
- H** Point *T* and Point *V*
- J** Point *U* and Point *V*

Go On ►

53 Which number is equivalent to 23.017?

A $23\frac{17}{1}$

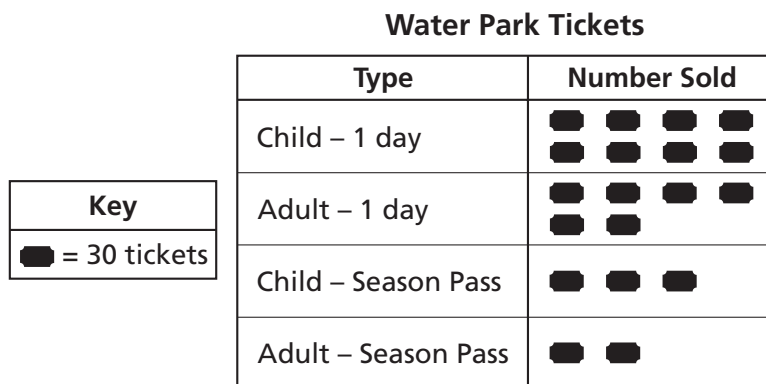
B $23\frac{17}{10}$

C $23\frac{17}{100}$

D $23\frac{17}{1,000}$

54

The graph below shows the number of each type of ticket sold at a water park on Saturday.



Which table of information is best represented by this graph?

Water Park Tickets

F

Type	Number Sold
Child – 1 day	8
Adult – 1 day	6
Child – Season Pass	3
Adult – Season Pass	2

Water Park Tickets

H

Type	Number Sold
Child – 1 day	38
Adult – 1 day	36
Child – Season Pass	33
Adult – Season Pass	32

Water Park Tickets

G

Type	Number Sold
Child – 1 day	240
Adult – 1 day	180
Child – Season Pass	60
Adult – Season Pass	90

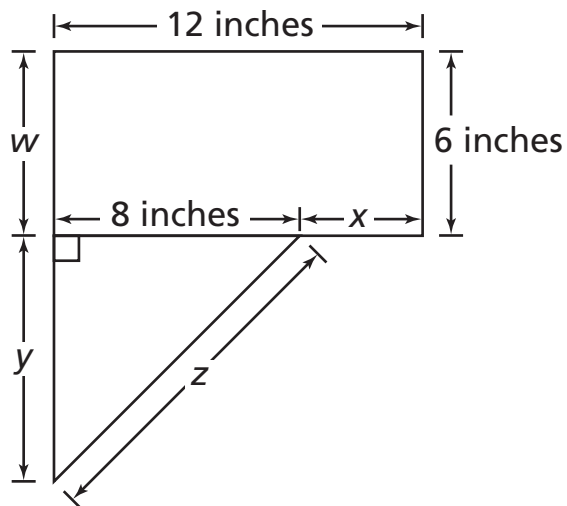
Water Park Tickets

J

Type	Number Sold
Child – 1 day	240
Adult – 1 day	180
Child – Season Pass	90
Adult – Season Pass	60

Go On ►

- 55** Carla combined a rectangle and a triangle to make the figure below.



What other information does Carla need to determine the area of this figure?

- A** the length of w
- B** the length of x
- C** the length of y
- D** the length of z

STOP 

**DO NOT
MARK
ON THIS
PAGE**

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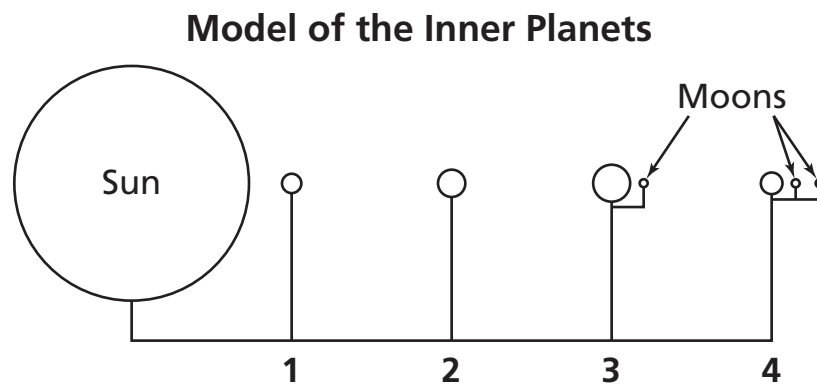


Part 1

1 What part provides a plant cell with support and protection?

- A** chloroplast
- B** cell wall
- C** vacuole
- D** nucleus

2 A student makes a model of the inner planets of the solar system.



Which planet should the student label Mars?

- F** 1
- G** 2
- H** 3
- J** 4

Go On ►

3 The picture shows some dung beetles.



Young dung beetles feed on the waste from other animals. The dung beetles return nutrients from the waste to the soil. Dung beetles are classified as

- A** decomposers.
- B** carnivores.
- C** scavengers.
- D** herbivores.

4 Which example best represents a chemical change taking place?

- F** a rusting nail
- G** a floating log
- H** a glass being broken
- J** a paperclip being bent

5 What process do plants use to make food?

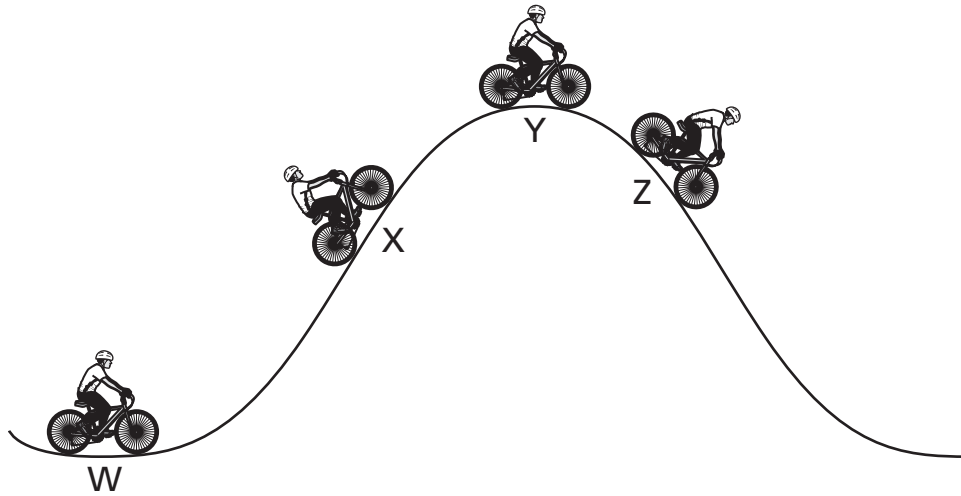
- A** respiration
- B** metamorphosis
- C** photosynthesis
- D** reproduction

6 Which force is responsible for the formation of the Appalachian Mountains?

- F** crashing ocean waves
- G** tectonic plate movements
- H** strong winds
- J** melting glaciers

Go On ►

- 7** A person rides a bicycle over a small hill as shown below.



At what point did the bicycle have the most potential energy?

- A** W
- B** X
- C** Y
- D** Z

8

A student pushed four objects across the same surface. The chart below shows the mass and force used for each object.

Trial Data

Object	Object Mass (kg)	Force Applied (newtons)
W	0.5	15
X	1.0	15
Y	1.5	15
Z	2.0	15

Which object most likely moved the farthest?

F W

G X

H Y

J Z

Go On ►

9 A cow is shown in the picture below.

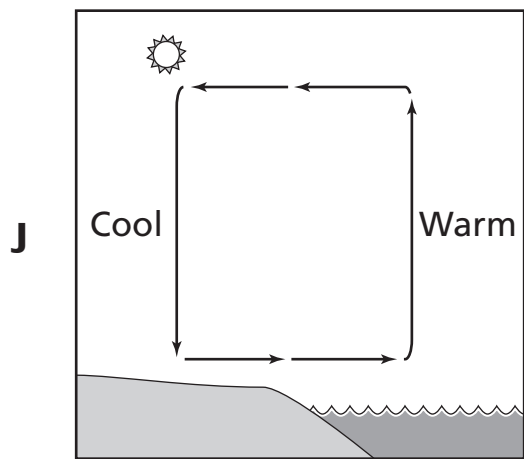
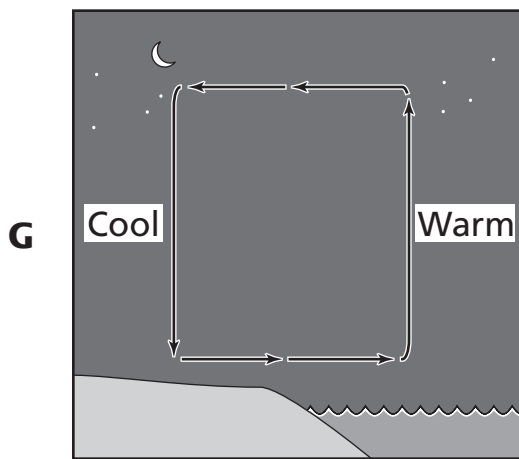
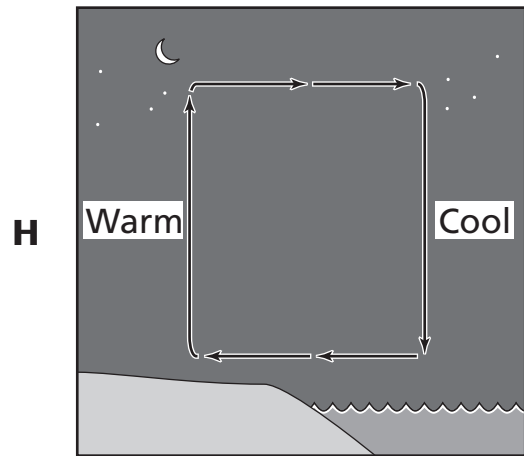
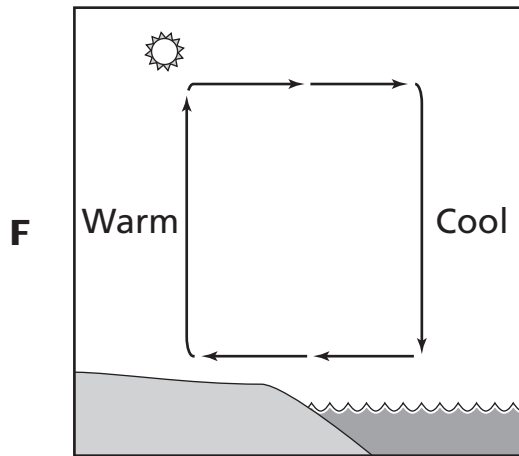


© Eric Isselee/Stockphoto #13310782

The cow has black spots because the cow

- A** lives on a farm.
- B** produces milk.
- C** eats grass from a field.
- D** received traits from its parents.

10 Which diagram shows how air moves during a land breeze?



Go On ►

11 A blue heron is shown in the picture.

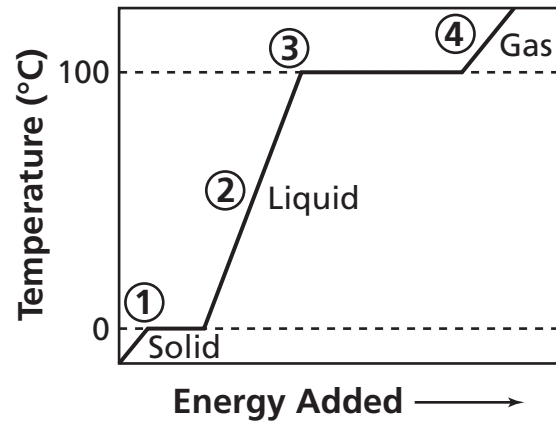


© Steve Shepard/Stockphoto #16945797

Hérons have skinny, sharp beaks and long legs that help them search for and gather food in shallow waters. Which action describes how the heron gathers the food it needs to survive?

- A** grabbing small mammals with their feet
- B** spearing fish with their beaks
- C** cracking open seeds with their beaks
- D** digging for clams with their feet

- 12** The graph below shows how the addition of energy affects the state of water.



Melting occurs at what point in the diagram?

- F** 1
- G** 2
- H** 3
- J** 4

- 13** Which organelles are found in both plant and animal cells?

- A** cell wall and chloroplast
- B** cell wall and vacuole
- C** cell membrane and chloroplast
- D** cell membrane and vacuole

Go On ►

- 14** Some data about the planets are shown in the table below.

Planet Data

Planet	Days to Orbit Sun	Speed of Orbit Around Sun (average kilometers per second)
Mercury	88	47.9
Venus	225	35.0
Earth	365	29.8
Mars	687	24.1
Jupiter	4,331	13.1
Saturn	10,747	9.7
Uranus	30,589	6.8
Neptune	59,800	5.4

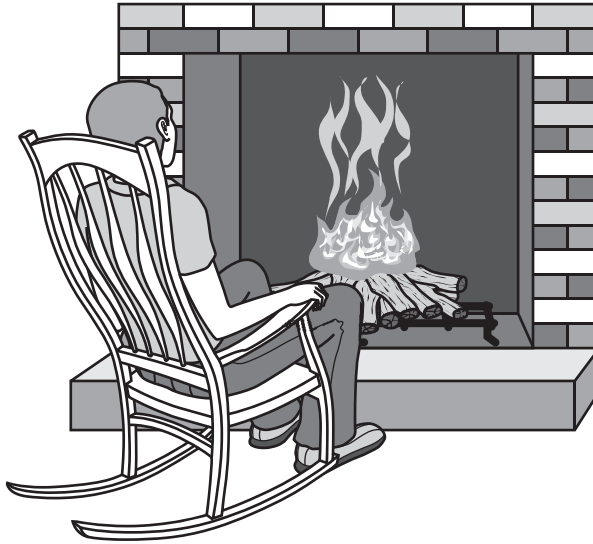
Which statement is best supported by the information in the table?

- F** Mercury takes a longer time than the other planets to orbit the sun.
- G** Neptune travels around the sun faster than the other planets.
- H** The planets that travel fastest around the sun take the fewest days to orbit the sun.
- J** The longer a planet takes to orbit the sun, the greater its speed around the sun.

- 15** A spider builds a web on a plant. The spider benefits by having a place to trap insects. The plant is not harmed. What is the relationship between the spider and the plant?

- A** mutualism
- B** commensalism
- C** parasitism
- D** competition

- 16** A fireplace is shown in the picture.



What is the main process that transfers heat upwards through the chimney?

- F** convection
- G** conduction
- H** insulation
- J** radiation

- 17** What force keeps a satellite in orbit around Earth?

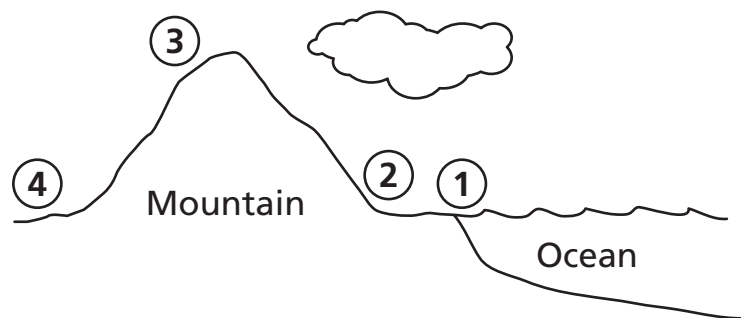
- A** air currents
- B** friction
- C** magnetism
- D** gravity

Go On ►

18 Which statement describes how plants and some animals get their energy?

- F** Plants get their energy from sunlight and animals get their energy from other animals and plants.
- G** Plants get their energy from animals and animals get their energy from plants.
- H** Animals get their energy from water and plants get their energy from animals.
- J** Animals get their energy from sunlight and plants get their energy from water and animals.

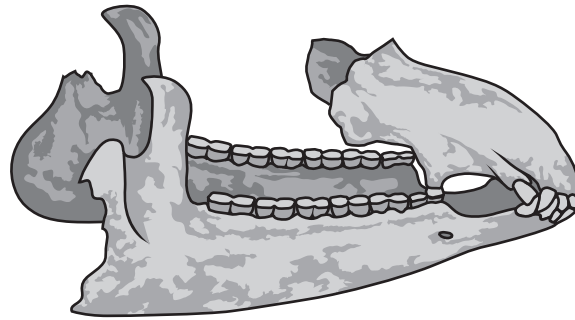
19 The picture below shows a mountain near an ocean.



Which area will most likely get the least amount of precipitation?

- A** 1
- B** 2
- C** 3
- D** 4

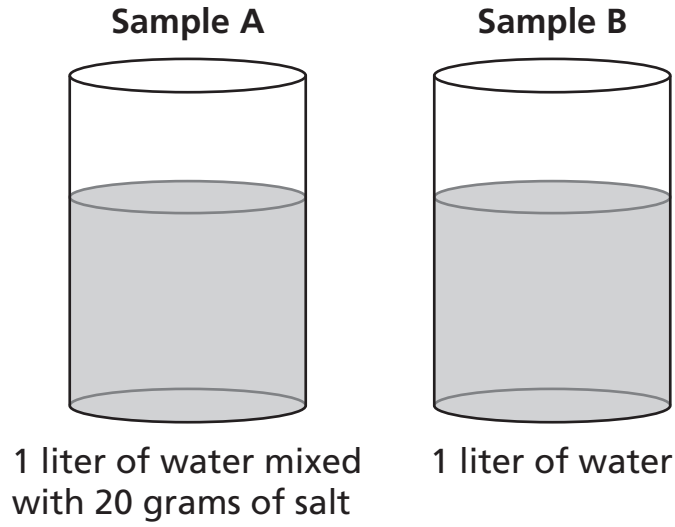
- 20** The drawing shows part of a fossil skull from an animal.



Which information can scientists learn about the animal?

- F** how fast the animal moved
- G** the length of the animal's tail
- H** the type of food the animal ate
- J** the color of the animal's skin

- 21** Two water samples at room temperature are placed within the same freezer at the same time.



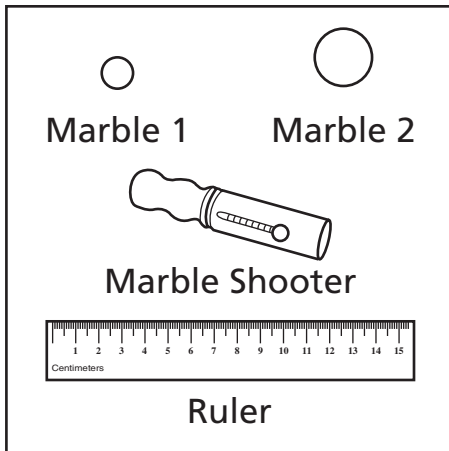
What statement best explains why Sample A will freeze slower than Sample B?

- A** because the salt adds heat to the water, raising the freezing point
- B** because the salt removes heat from the water, lowering the freezing point
- C** because the salt raises the freezing point of the water
- D** because the salt lowers the freezing point of the water

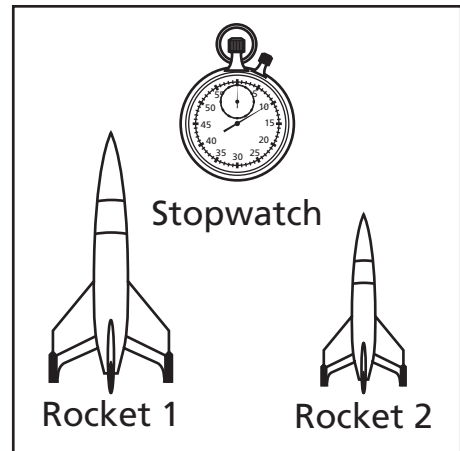
22

A student wanted to know if a small object and a large object would travel different distances when pushed with the same force. Which set of supplies would best answer this question?

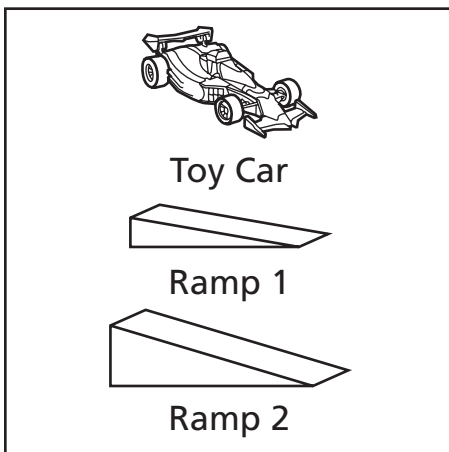
F



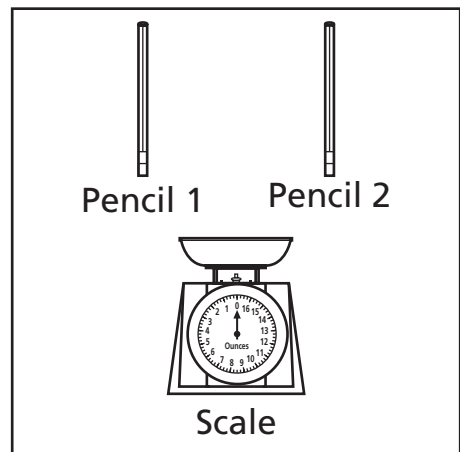
H



G

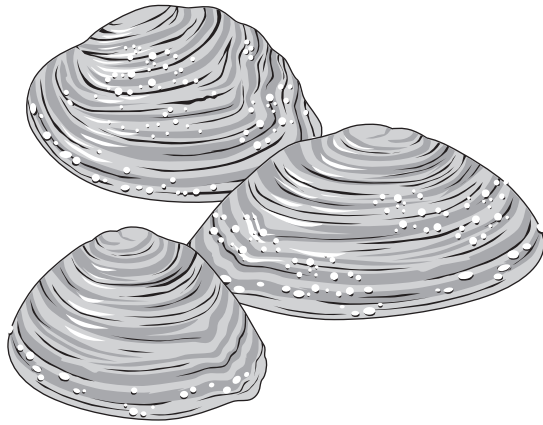


J



Go On ►

- 23** Clams are organisms that live in water. A type of clam is shown below.



Which trait is inherited by a clam?

- A** shape of shell
- B** area where it lives
- C** number of predators
- D** amount of food it consumes

- 24** Scientists have been experimenting with ways to preserve foods due to high spoilage rates. In which way can scientists use low levels of radiation to make food safer?

- F** precook food with radiation before it is packaged
- G** use radiation to increase nutrients in food
- H** pass food through radiation to kill harmful bacteria
- J** expose food to radiation to improve taste

25 A student wants to get a closer look at the Taurus constellation. Which tool should the student use?

- A** star chart
- B** magnifying glass
- C** telescope
- D** compass

Go On ►




Students wanted to find out if the shape of a container affected the rate that water evaporated from it.

Setup




1. Fill different containers with the same amounts of water
2. Let water evaporate from the containers
3. Check to see which container is completely empty first

Which table describes an investigation that would give the students the most accurate answer?




F

Container	Starting amount (milliliters)
Plate 	20
Bowl 	20
Mug 	20




H

Container	Starting amount (milliliters)
Plate 	20
Bowl 	100
Mug 	50

G

Container	Starting amount (milliliters)
Bowl 	20
Bowl 	20
Bowl 	20

J

Container	Starting amount (milliliters)
Bowl 	20
Bowl 	100
Bowl 	50

27

A student rolled four bowling balls along the same flat surface. Each bowling ball had a different mass.

Bowling Ball Masses

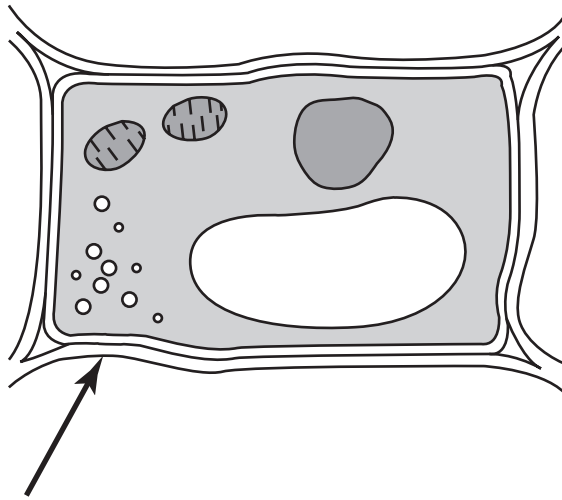
Bowling Ball	Mass (kilograms)
1	3.6
2	4.5
3	5.4
4	6.4

If the student used the same amount of force each time he rolled a bowling ball, which bowling ball would travel the greatest distance?

- A** 1
- B** 2
- C** 3
- D** 4

Go On ►

28 The diagram of a plant cell is shown.



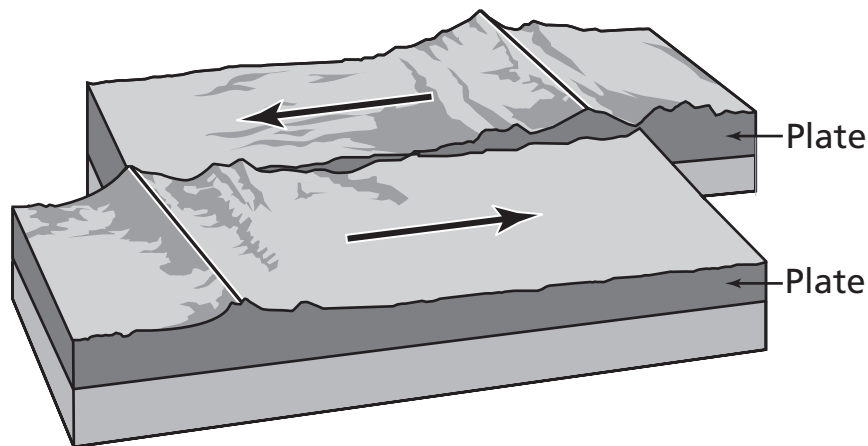
What structure is represented by the arrow?

- F** cell wall
- G** cytoplasm
- H** chloroplast
- J** cell membrane

29 What will most likely happen to an environment downstream from where a dam is built?

- A** There will be more wildlife.
- B** Food crops will increase.
- C** Populations of fish will decrease.
- D** There will be a greater variety of fish.

- 30** The diagram below represents the movement of tectonic plates.



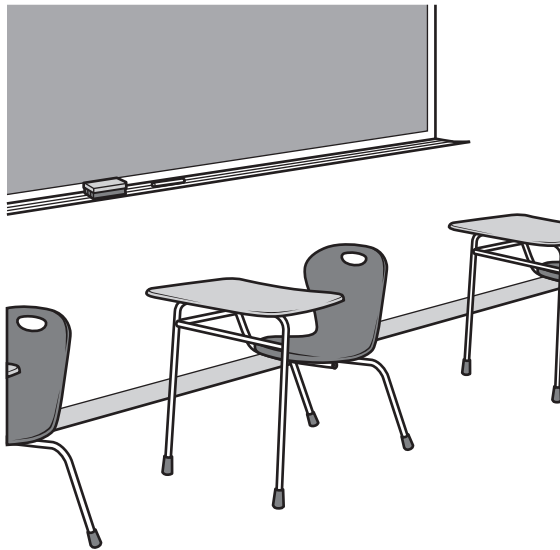
What feature will most likely result from this movement?

- F** a hurricane
- G** an earthquake
- H** a drought
- J** a blizzard

- 31** Which best describes only a physical change?

- A** Baking soda bubbles when mixed with vinegar.
- B** Metal reacts with oxygen.
- C** Mixing two liquids produces a solid.
- D** A marshmallow is cut into pieces.

32 A desk in a classroom is shown in the picture.



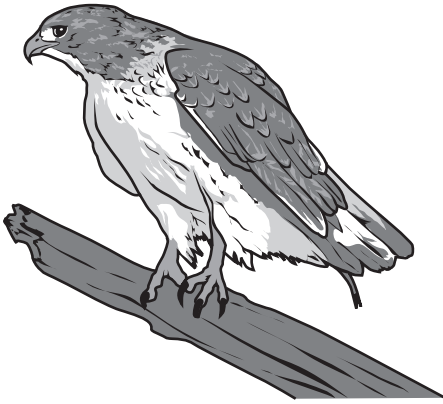
What force keeps the desk on the ground?

- F** magnets pulling on the chair
- G** air pushing on the chair
- H** gravity pulling on the chair
- J** friction pushing on the chair

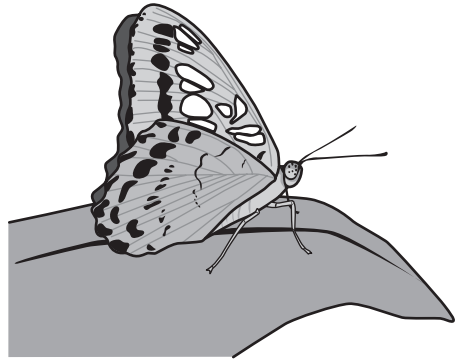
33

What organism is correctly matched with its energy source?

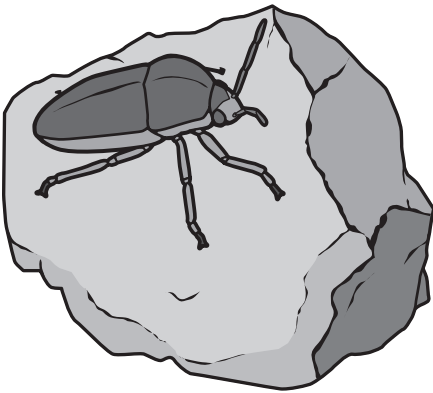
A



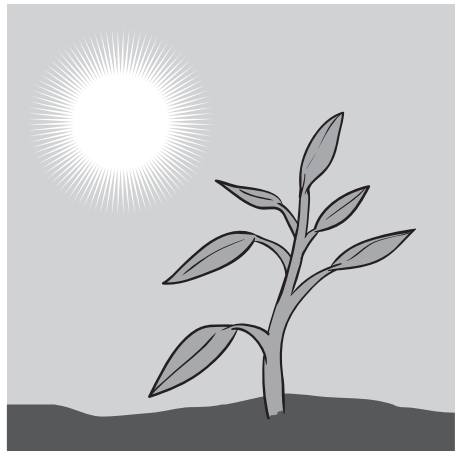
C



B

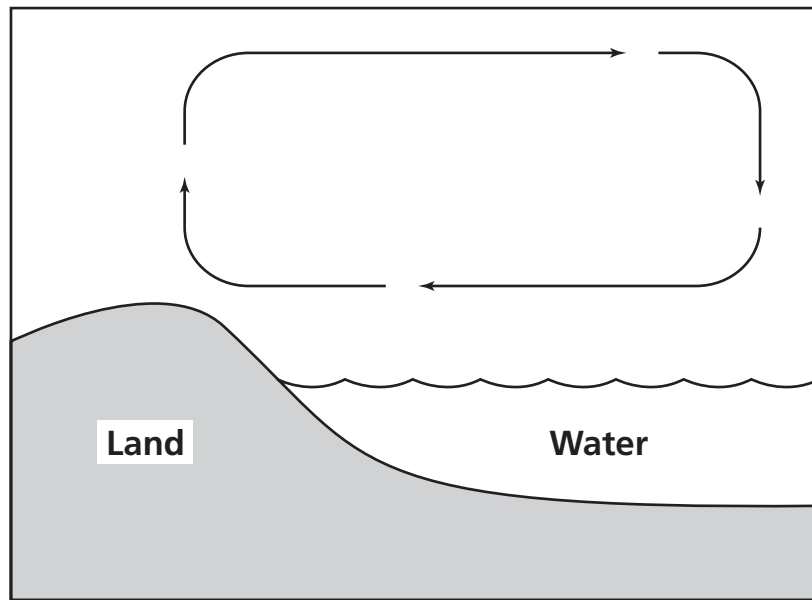


D



Go On ►

34 Which statement best explains the movement of air shown by the arrows in the diagram?



- F** Cold air above the land rises and is replaced by warmer air from the ocean.
- G** Cold air above the ocean rises and is replaced by warmer air from the land.
- H** Warm air over the land rises and is replaced by cooler air from the ocean.
- J** Warm air above the ocean rises and is replaced by cooler air from the land.

35 A heron is shown standing in a stream.



Which adaptation best helps the heron catch fish?

- A** large wings
- B** gray feathers
- C** pointed beak
- D** small eyes

STOP 

Part 2

- 36** The table below lists information about the planets in the solar system.

Planet Information

Planet	Diameter (kilometers)	Density (grams/cubic centimeters)	Composition
Earth	12,756	5.5	Rocky
Jupiter	142,796	1.3	Gaseous
Mars	6,787	3.9	Rocky
Mercury	4,878	5.4	Rocky
Neptune	48,600	1.7	Gaseous
Saturn	120,660	0.7	Gaseous
Uranus	51,118	1.3	Gaseous
Venus	12,104	5.2	Rocky

Which statement is best supported by the data in the table?

- F** Jupiter has the greatest diameter but is the least dense.
- G** Mars has the smallest diameter but is the most dense.
- H** The planet with the least density also has the largest diameter.
- J** The rocky planets have greater densities than the gaseous planets.

- 37** Insects A and B live in chipmunk burrows. Insect A is parasitic, and Insect B is commensal with the chipmunks.

How are these insects different from each other?

- A** Insect A hurts the chipmunks, while Insect B helps the chipmunks.
- B** Insect B hurts the chipmunks, while Insect A helps the chipmunks.
- C** Insect A hurts the chipmunks, while Insect B neither hurts nor helps the chipmunks.
- D** Insect B hurts the chipmunks, while Insect A neither hurts nor helps the chipmunks.

- 38** Water is boiling in a pan.



Most of the heat is transferred from the bottom of the water to the surface of the water. This transfer of energy occurs through which process?

- F** conduction
- G** convection
- H** radiation
- J** rotation

Go On ►

39 Which statement best explains how humans obtain genetic traits?

- A** Humans obtain genetic traits because of where they live.
- B** Humans obtain genetic traits from both of their parents.
- C** Humans obtain genetic traits because of the food that they eat.
- D** Humans obtain genetic traits from only one of their parents.

40 The table below shows when tree leaves begin to change color in the Great Smoky Mountains National Park.

Great Smoky Mountains National Park

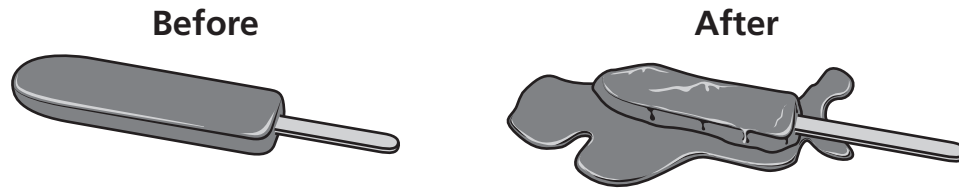
Elevation (feet)	Trees Show Fall Color
4,500 – 6,000	Mid-September
3,000 – 4,500	Mid-October
below 3,000	Early November

Which factor is most likely responsible for leaves on trees at higher elevations changing colors sooner than leaves at lower elevations?

- F** colder air temperatures
- G** warmer air temperatures
- H** higher wind speeds
- J** greater snowfall

41

The picture shows an ice cream treat before and after it was left on a table on a sunny afternoon.



Which statement best explains the change in the ice cream treat?

- A** Heat was removed from the ice cream treat causing it to freeze.
- B** Heat was removed from the ice cream treat causing it to melt.
- C** Heat was added to the ice cream treat causing it to freeze.
- D** Heat was added to the ice cream treat causing it to melt.

42

A student pushed four objects with identical shapes across the same surface.

Object Data

Object	Mass (grams)	Force (newtons)
W	50	1
X	50	2
Y	100	1
Z	100	2

Based on this information, which object traveled the greatest distance?

- F** W
- G** X
- H** Y
- J** Z

Go On ►

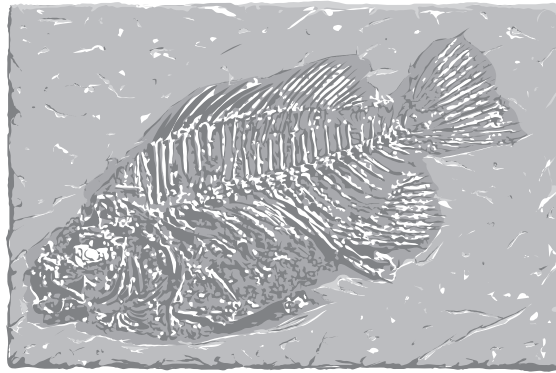
43 Plant and animal cells both contain a thick, jelly-like material that fills most of the cell. What is this jelly-like material in both plant and animal cells?

- A** cytoplasm
- B** cell membrane
- C** chloroplast
- D** vacuole

44 Which tool best helps scientists discover new information about the planets in our solar system?

- F** binoculars
- G** star chart
- H** weather satellite
- J** telescope

- 45** A scientist studied the fossil of the organism shown in the picture.



Which of these can the scientist learn by studying this fossil?

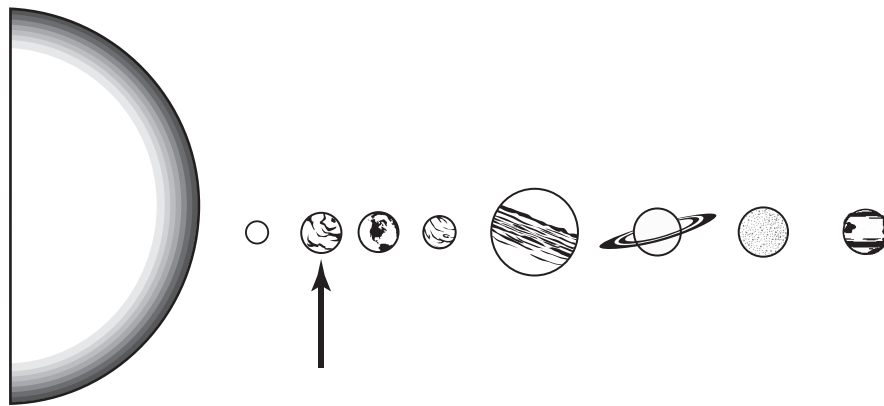
- A** how strong the organism was
 - B** where the organism lived
 - C** temperatures the organism preferred
 - D** types of animals that preyed on the organism
- 46** A student left a wet shirt on a towel rack to dry. Which action will help the shirt dry the fastest?
- F** folding the shirt in half
 - G** rolling the shirt into a ball
 - H** laying the shirt flat on the rack
 - J** placing the shirt in a box on the rack

Go On ►

47 Which feature does a girl most likely get from her environment?

- A** long legs
- B** large feet
- C** pierced ears
- D** round face

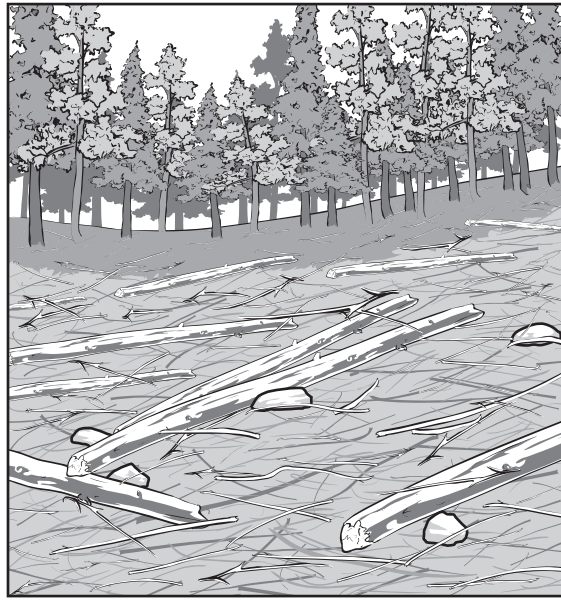
48 The solar system is shown in the diagram below.



What planet is marked with the X?

- F** Mars
- G** Venus
- H** Mercury
- J** Earth

- 49** The picture shows a forest that has many trees cut down for lumber and paper.



Which statement best explains what will happen to the forest environment?

- A** pollution will decrease
- B** soil erosion will decrease
- C** wildlife populations will decrease
- D** carbon dioxide levels will decrease





- 50** A student wants to investigate how long it takes water to freeze under different conditions. Which tool is best to measure the time it takes for the water to freeze?

- F** thermometer
- G** stopwatch
- H** graduated cylinder
- J** pan balance

Go On ►

- 51** Four students each had a piece of paper. The papers were identical except for color. The students all made different shapes out of their papers. Then they dropped each paper from the same height at the same time. The chart shows the order that each paper reached the ground.

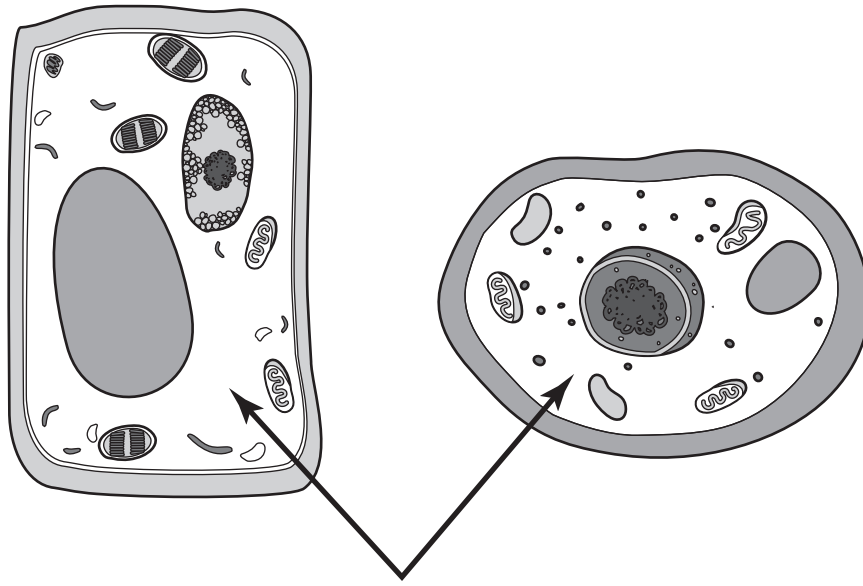
Paper-Drop Data

Color	Shape	Order Paper Reached Ground
White	Crumpled 	1
Black	Flat 	4
Yellow	Folded 	3
Blue	Rolled 	2

Which property had the greatest effect on the rate each paper fell?

- A** texture
- B** shape
- C** color
- D** size

The diagrams show a plant cell and an animal cell.



What cell part is indicated by the arrow?

- F** chloroplast
- G** vacuole
- H** nucleus
- J** cytoplasm

53 The photo below shows the Great Smoky Mountains.



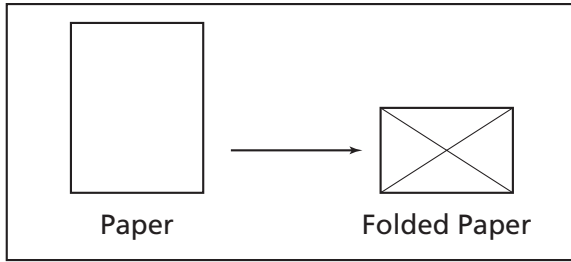
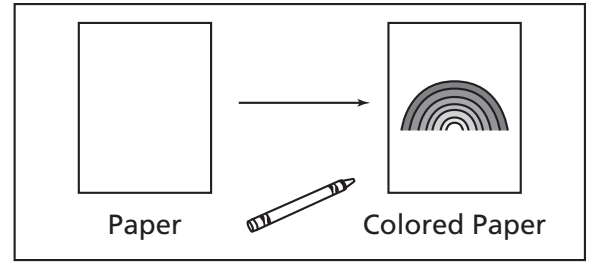
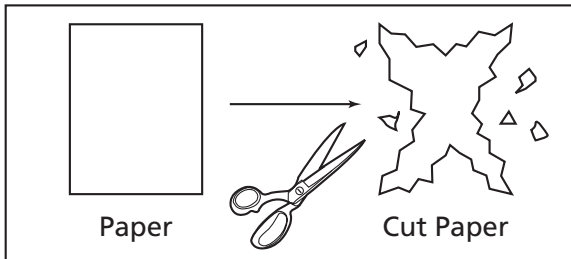
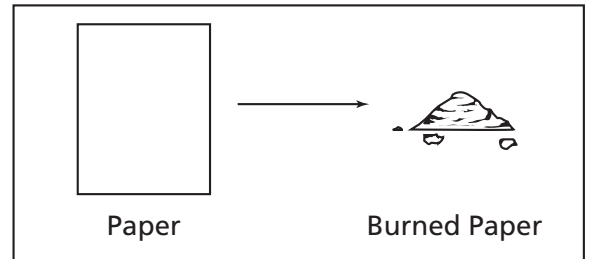
© AndrewSoundarajan/Stockphoto #16695001

What process caused the formation of the Great Smoky Mountains?

- A** Earth's plates colliding
- B** Earth's plates moving away from each other
- C** glaciers moving across the Earth's surface
- D** magma pushing up through cracks

54

Which picture shows a piece of paper that has gone through a chemical change?

F**H****G****J**

Go On ►

55 A flamingo is a bird with long legs and a large beak.



In which type of environment is a flamingo best suited to live?

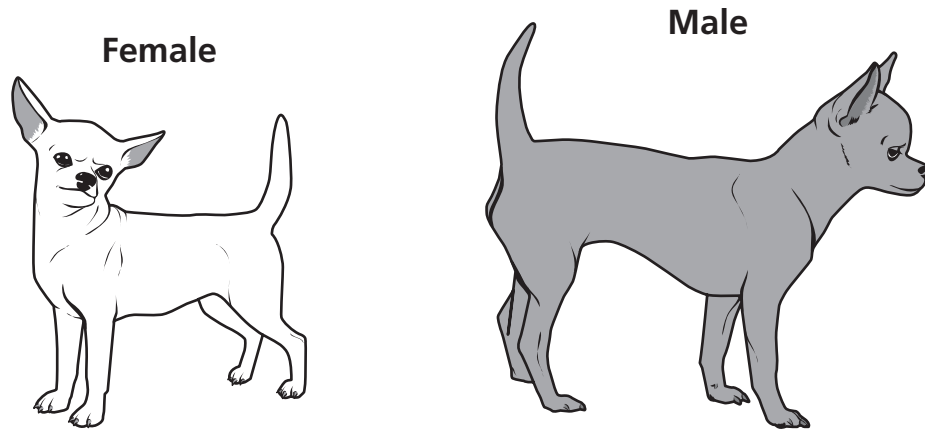
- A** desert
- B** wetlands
- C** Arctic tundra
- D** forest

56 Which tool should a student use to measure the mass of a block of wood?

- F** ruler
- G** thermometer
- H** graduated cylinder
- J** pan balance

57

Two dogs are shown in the picture below. The dogs produce some puppies.

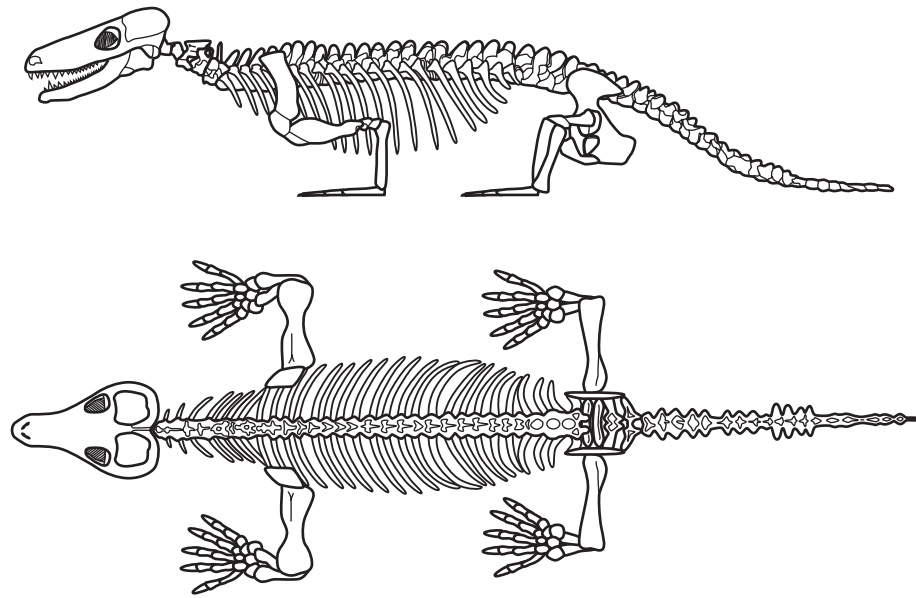


Which of these is a trait that will most likely be passed on to their puppies?

- A** barking on command
- B** begging for food
- C** wearing a collar
- D** having pointed ears

Go On ►

58 The picture represents a fossil of an extinct animal.

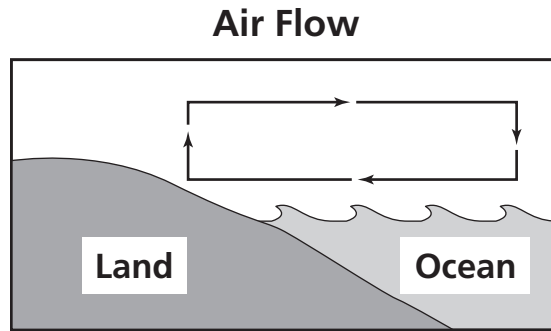


To what present-day animal is the extinct animal most closely related?

- F** dolphin
- G** raccoon
- H** whale
- J** alligator

59

The diagram shows how air moves over the ocean during the day.

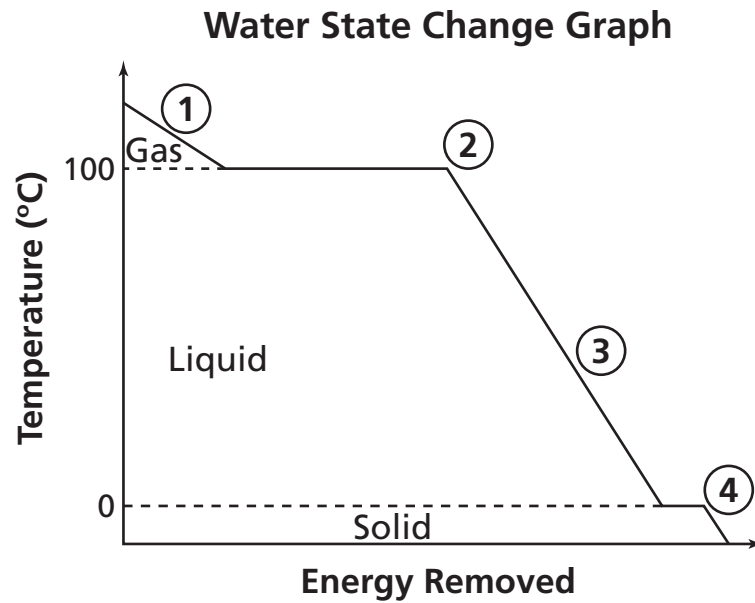


Which best explains why the air moves in the direction shown in the diagram?

- A** The land is warmer than the ocean water.
- B** Air over the ocean is warmer than the air over the land.
- C** Clouds block cool air from reaching the ground.
- D** The ocean warms more rapidly than the land.

Go On ►

60 The graph below shows how water changes states at different temperatures.



Which number represents the freezing point of water?

- F** 1
- G** 2
- H** 3
- J** 4

61 Snowflakes are pulled toward the ground by the force of

- A** magnetism.
- B** gravity.
- C** friction.
- D** electricity.

62 Which structures are found in both animal and plant cells?

- F** cell membrane and cell wall
- G** cell wall and chloroplast
- H** chloroplast and nucleus
- J** nucleus and vacuole

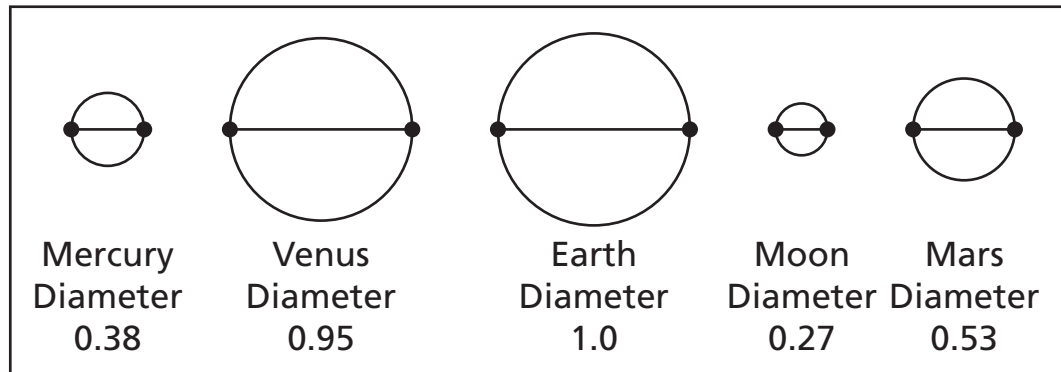
63 A hookworm is a type of worm that can attach itself to the intestines of a dog. A hookworm feeds on the blood of the dog and causes the dog to lose blood. Which term best describes the relationship between the hookworm and the dog?

- A** parasitic
- B** mutualistic
- C** commensalistic
- D** competitive

Go On ►

64 The diameters of some bodies of the solar system are shown below.

**Diameters of Solar System Bodies
Compared to Earth**



Which body is about half the size of Earth?

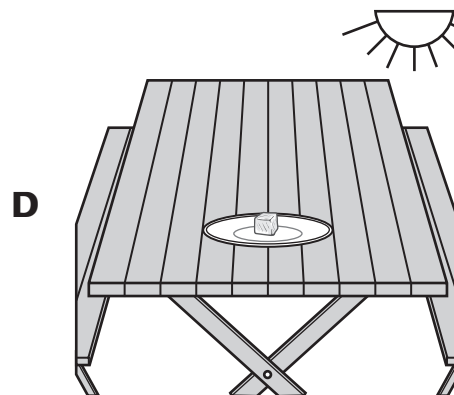
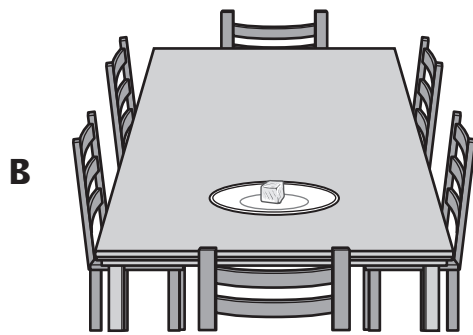
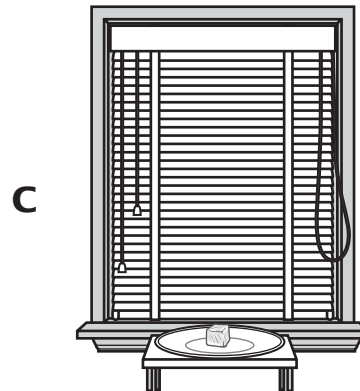
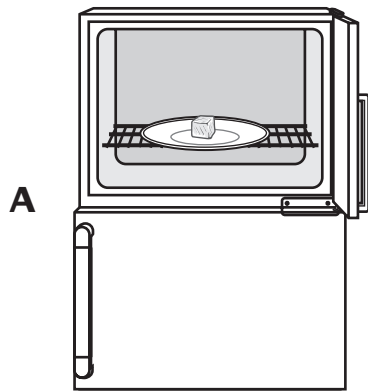
F Mercury

G Venus

H Moon

J Mars

- 65** Four ice cubes were placed on the same type of plate. The plates were then placed in four different locations. Which ice cube most likely melted the fastest?



- 66** A student dropped a book while holding it above a desk. Which force caused the book to move toward the desk?

- F** air currents
- G** magnetism
- H** gravity
- J** air resistance

67 Which of these will a boy most likely inherit from his parents?

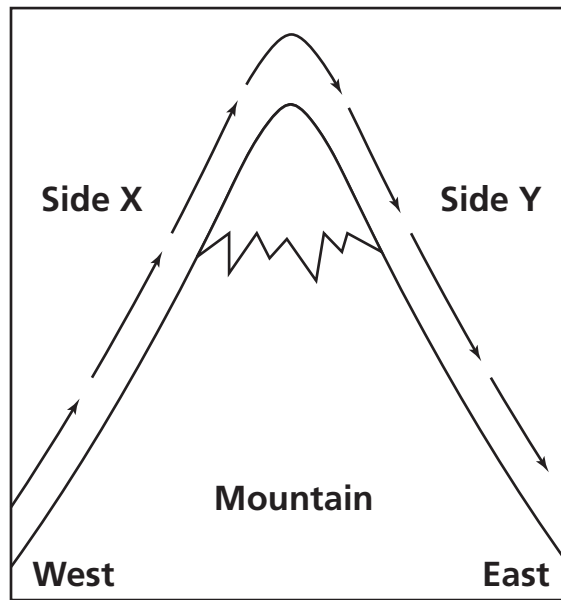
- A** his ability to ride a bicycle
- B** his ability to play an instrument
- C** the color of his hair
- D** the length of his hair

68 Which set of tools will best help a scientist studying the ways elephants communicate with each other?

- F** video camera and microphone
- G** sonar and satellite
- H** calculator and digital recorder
- J** digital music player and earphones

69

The diagram shows wind currents around a mountain.



Which best explains why there is more rainfall on Side X?

- A** Air cools as it rises on Side X.
- B** Air moves faster on Side Y.
- C** Side Y is closer to the sun.
- D** Side Y has a large amount of runoff.

STOP 

**DO NOT
MARK
ON THIS
PAGE**

Social Studies



Part 1

1 Study the list below.

- Star-Spangled Banner
- God Bless America
- My Country 'Tis of Thee

What part of American culture do the items in the list represent?

- A** music
- B** holidays
- C** religion
- D** art

Go On ►

Store Closing

**In recognition of
Martin Luther King, Jr. Day**

**We will be closed
for business on
Monday, January 16**

2 The above sign is announcing a holiday to celebrate the

- F** end of slavery in the United States.
- G** struggles of the Second World War.
- H** founding of the American Red Cross.
- J** success of the Civil Rights Movement.

3

Study the map below.



Which body of water is marked with an X on the map?

- A** Arctic Ocean
- B** North Sea
- C** Hudson Bay
- D** Pacific Ocean

Go On ►

4 Study the picture below.

Sheet Music Cover, 1867



Courtesy of Library of Congress #LC-DIG-ppmsca-09564

This picture shows how music in America was influenced by

- F** the cultural diffusion of sports.
- G** access to after-school programs.
- H** the introduction of the television.
- J** an increase in government services.

5 Study the list below.

Selected Cabinet Departments

Department	Year Established
Treasury	1789
Justice	1789
Defense	1789
Labor	1913
Health and Human Services	1953
Education	1979
Environmental Protection Agency	1990
Homeland Security	2002

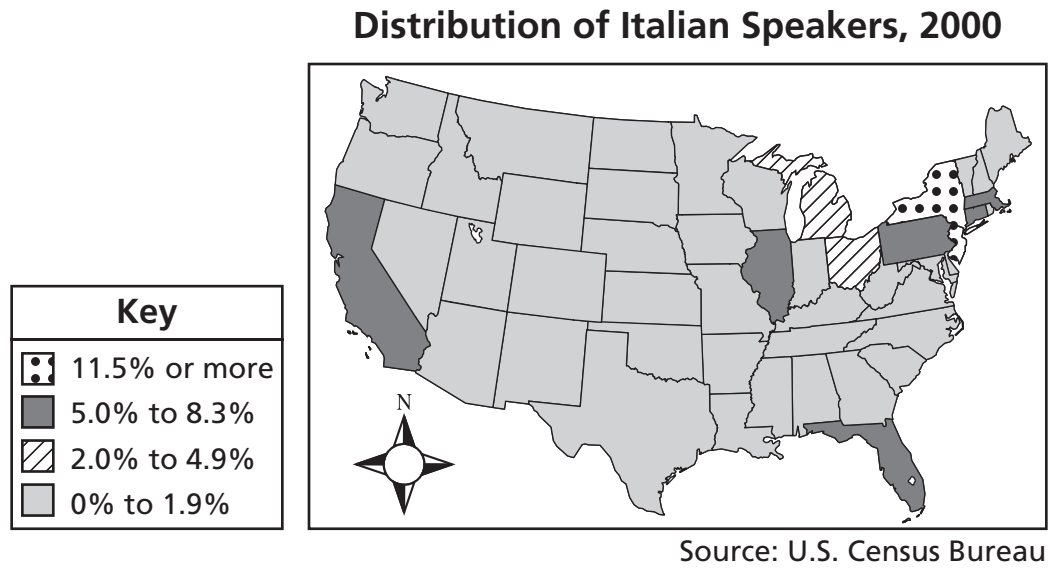
Source: Cabinet Department websites

What is one effect of the establishment of the cabinet departments shown in the list?

- A** an increase in government services
- B** a decrease in job opportunities
- C** an increase in the number of elections
- D** a decrease in income tax revenue

Go On ►

6 Study the map below.

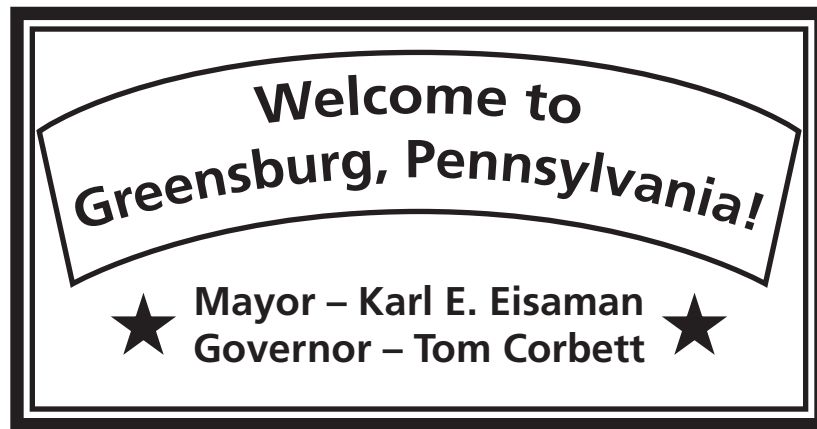


Based on the map, the fewest percent of Italian speakers live in

- F** California.
- G** Wyoming.
- H** Michigan.
- J** New York.

7

Study the sign below.

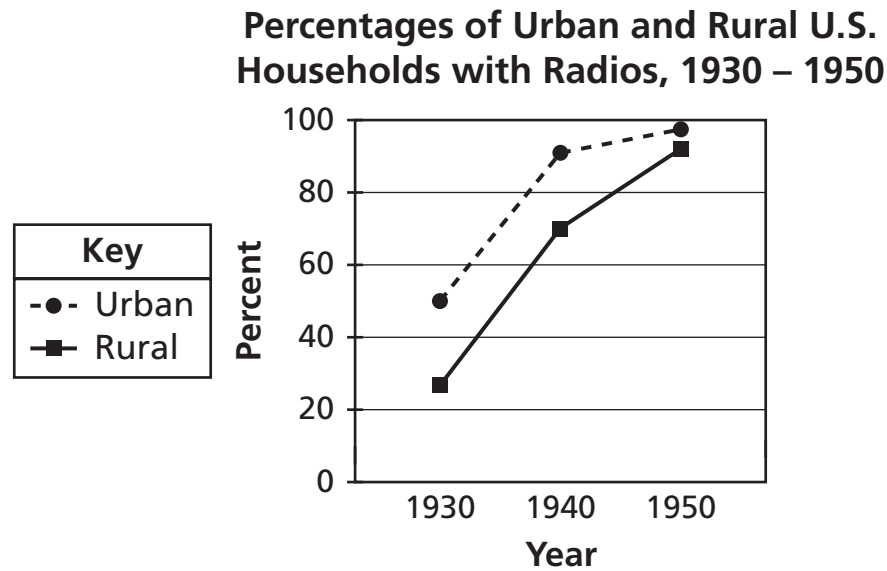


Which type of government officials are identified on the sign?

- A** local and state executive officials
- B** local and state legislative officials
- C** state and federal executive officials
- D** state and federal legislative officials

Go On ►

8 Study the graph below.



Based on the graph, which statement about radio sales in the United States is correct?

- F** More radios were built in rural areas than in urban areas in the 1940s.
- G** People having radios became more widespread by 1950.
- H** The price of radios increased by the 1950s.
- J** More rural homes than urban homes had radios in the 1930's.

9 Which item is best described as a personal want?

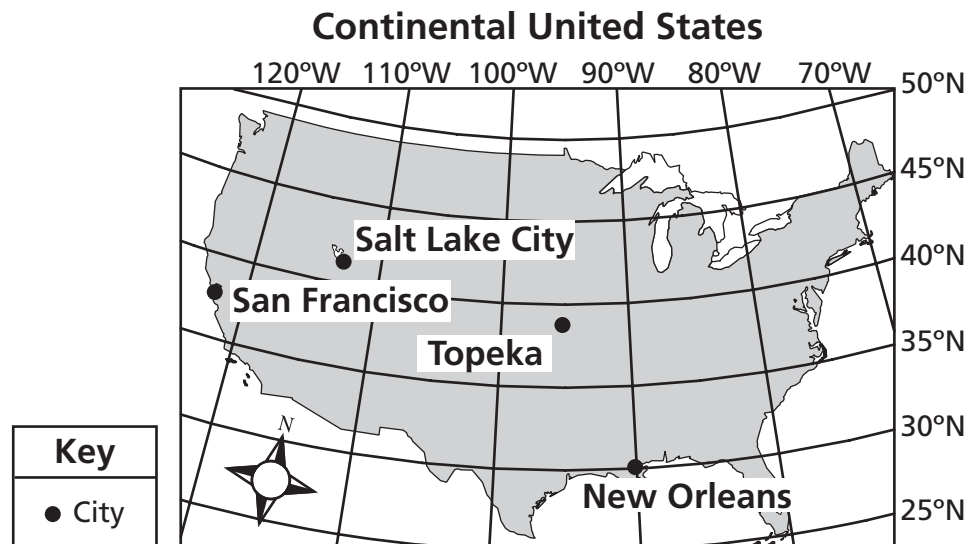
- A** a house
- B** a sandwich
- C** a radio
- D** a shirt

- 10** Claire does not agree with a law the president has just signed. She discusses her opinions at a town meeting.

Which First Amendment right is Claire exercising?

- F** freedom of speech
- G** freedom to practice a religion
- H** freedom of the press
- J** freedom to petition the government

- 11** Study the map below.



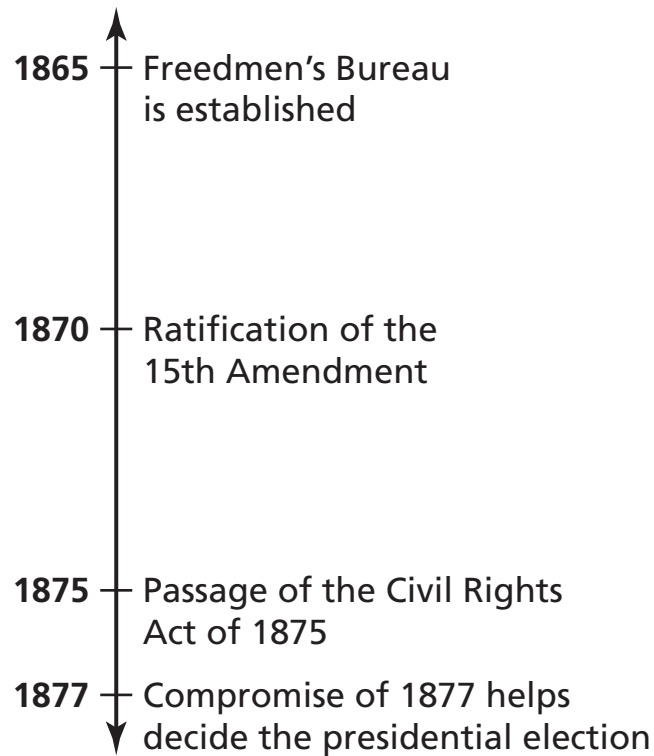
Which major city is located closest to 30°N latitude and 90°W longitude?

- A** San Francisco
- B** Salt Lake City
- C** Topeka
- D** New Orleans

Go On ►

12 Study the timeline below.

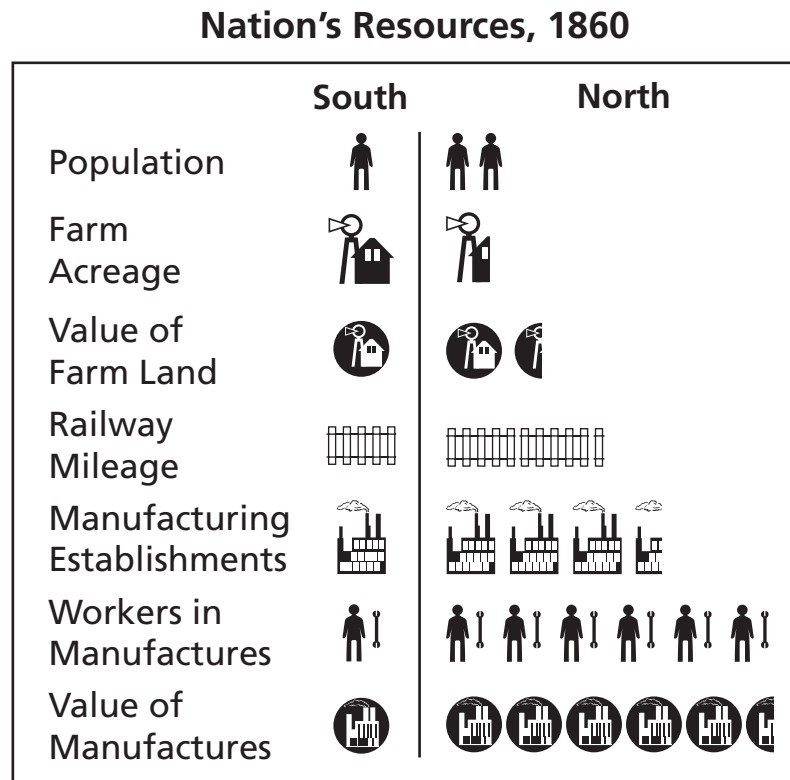
Selected Events in U.S. History, 1865 – 1877



The dates shown identify events that took place during the

- F** First Industrial Revolution.
- G** Reconstruction Era.
- H** Nullification Crisis.
- J** Spanish-American War.

13 Study the chart below.



Source: Melvin Schwartz and John R. O'Connor,
Exploring American History,
Globe Book Co. (adapted)

Based on the chart, which statement about resources in 1860 is correct?

- A** The South had a larger population.
- B** The North had an expanded transportation system.
- C** The Southern economy mostly relied on manufacturing.
- D** The Northern economy was based solely on farming.

Go On ►

14 Study the list below.

- rise in employment rates
- increased demand for goods
- greater company profits

Which phrase best explains the list?

- F** political unrest
- G** economic boom
- H** business collapse
- J** government growth

15 Which constitutional amendment expanded voting rights in the United States?

- A** 1st Amendment
- B** 5th Amendment
- C** 14th Amendment
- D** 15th Amendment

16 Which natural feature makes up the physical boundary between Tennessee and North Carolina?

- F** Central Basin
- G** Highland Rim
- H** Unaka Mountains
- J** Cumberland River

17 During the Civil War, which person held the same position in the Union Army as Robert E. Lee held in the Confederacy?

- A** Ulysses S. Grant
- B** Abraham Lincoln
- C** Sam Houston
- D** Andrew Jackson

18 Labor union leaders in the late 1800s demanded which employee benefit?

- F** better childcare
- G** early retirement
- H** shorter working hours
- J** better job training

19 The Smith family went to the electronics store to purchase a new television. The family picked out a television and took it home. They agreed to make a payment each month until the television was paid off.

Which method did the Smith family use to pay for the television?

- A** barter
- B** credit
- C** cash
- D** check

Go On ►

20 Study the table below.

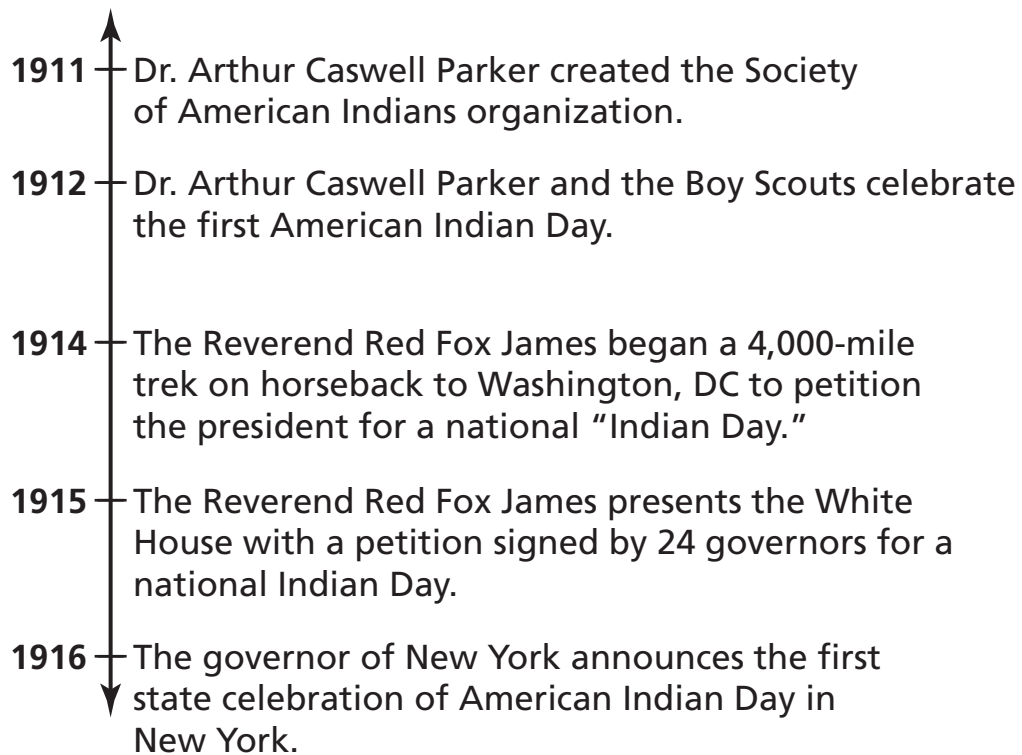
	Under U.S. Constitution	Under Tennessee Constitution
Executive Branch	President	<u> ? </u>

Which government official best completes the table?

- F** Governor
- G** Member of the Senate
- H** Chief Justice
- J** Speaker of the House

21 Study the timeline below.

Selected Events in America History, 1911 – 1916



Based on the timeline, when was American Indian Day first celebrated?

- A** 1911
- B** 1912
- C** 1914
- D** 1915

Go On ►

22 Study the photographs below.

**Textile Factories
Pre-World War II**



Courtesy of Library of Congress
#LC-DIG-nclc-01873

**Textile Factories
Post-World War II**



© Rehanqureshi/Dreamstime #18855953

Which conclusion is best supported by the information shown in these photographs?

- F** Before World War II, textile factories faced strict government regulations.
- G** After World War II, textile factories allowed children to work long hours.
- H** Before World War II, textile factories refused to hire female employees.
- J** After World War II, textile factories depended on machines instead of workers.

23 Study the map below.

Western United States



On the map, which numbered state is Idaho?

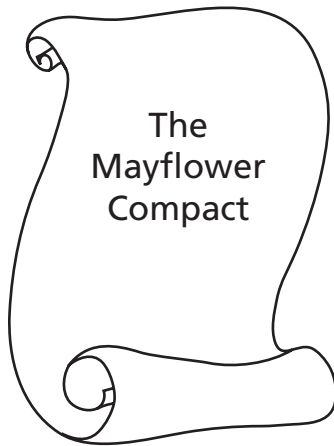
- A** 1
- B** 2
- C** 3
- D** 4

Go On ►

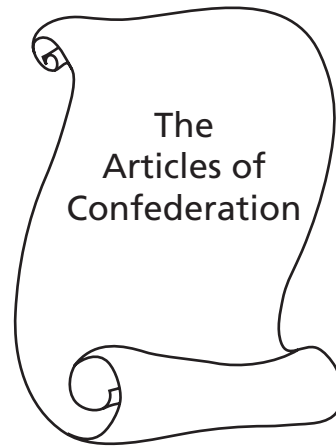
24

Which document stated the reasons American colonists wanted freedom from Great Britain?

F



H



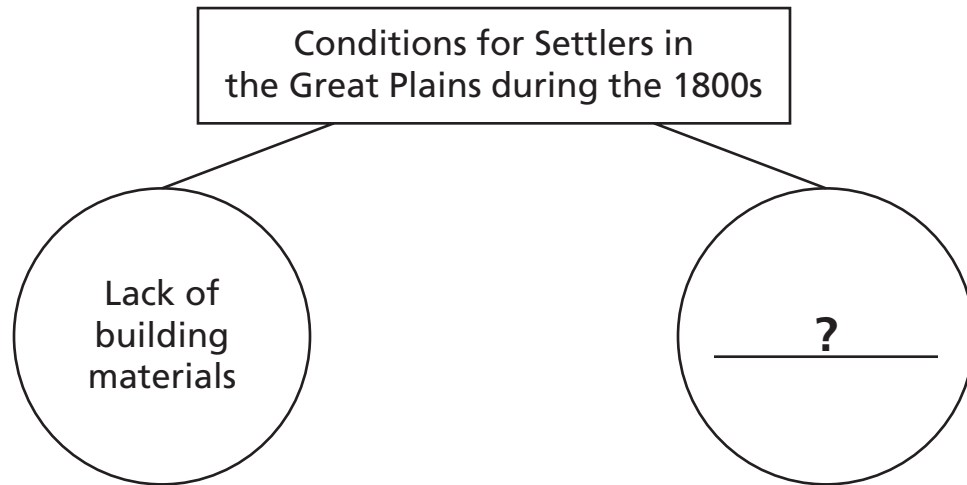
G



J



25 Study the diagram below.



Which condition best completes the diagram?

- A** High land prices
- B** Strong state governments
- C** Scarce mineral resources
- D** Isolated local communities

Go On ►

26 Study the quote below.

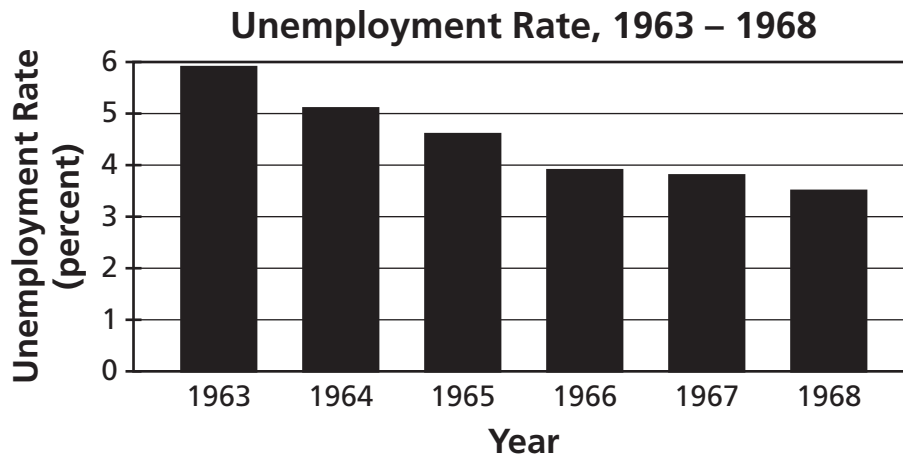
Immediate relief of the unemployed is the immediate need of the hour. . . . We must do all we can . . . no citizen shall be permitted to starve. . . . In addition to providing emergency relief, the Federal Government should and must provide temporary work wherever that is possible.

— Franklin D. Roosevelt, October 31, 1932

Based on the quote, what did Franklin D. Roosevelt think the federal government should do to assist citizens?

- F** create social services programs
- G** assist with the purchase of stocks
- H** supply new clothing for children
- J** aid in construction of new homes

27 Study the graph below.



Source: United States Department of Labor

Which statement best explains the trend shown in the graph?

- A** More individuals found jobs.
- B** Fewer companies earned a profit.
- C** Additional schools were established.
- D** Fewer students attended college.

28 Which major physical feature is located in the grand division of East Tennessee?

- F** the Cumberland Plateau
- G** the Great Smoky Mountains
- H** the Highland Rim
- J** the Mississippi River

Go On ►

29 Study the passage below.

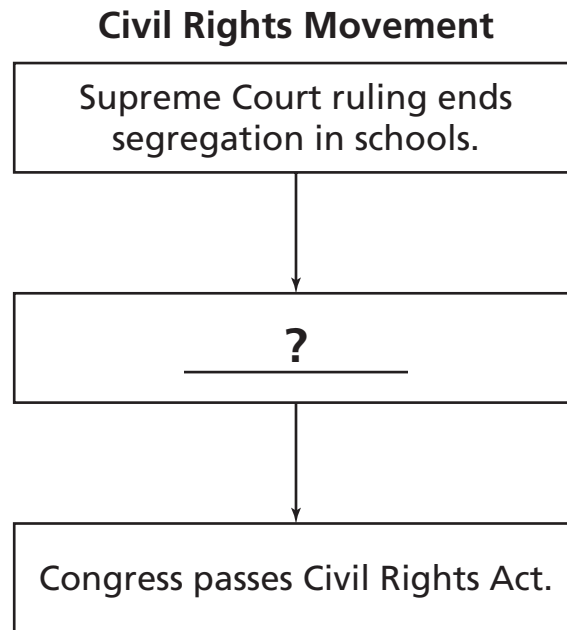
I want to say a few words . . . I have as much muscle as any man, and can do as much work as any man. I have plowed . . . and chopped and mowed, and can any man do more than that? . . . You need not be afraid to give us our rights for fear we will take too much . . . give it to her and you will feel better.

— Sojourner Truth, 1851

Based on the passage, what was Sojourner Truth most likely seeking to establish?

- A** equality for all
- B** free private schools
- C** access to farm land
- D** creation of labor unions

30 Study the diagram below.



Which event best completes the diagram?

- F** Rosa Parks inspires a bus boycott.
- G** Anne Dallas Dudley supports women's suffrage.
- H** Jane Addams supports the building of settlement houses.
- J** Clara Barton becomes president of a relief organization.

Go On ►

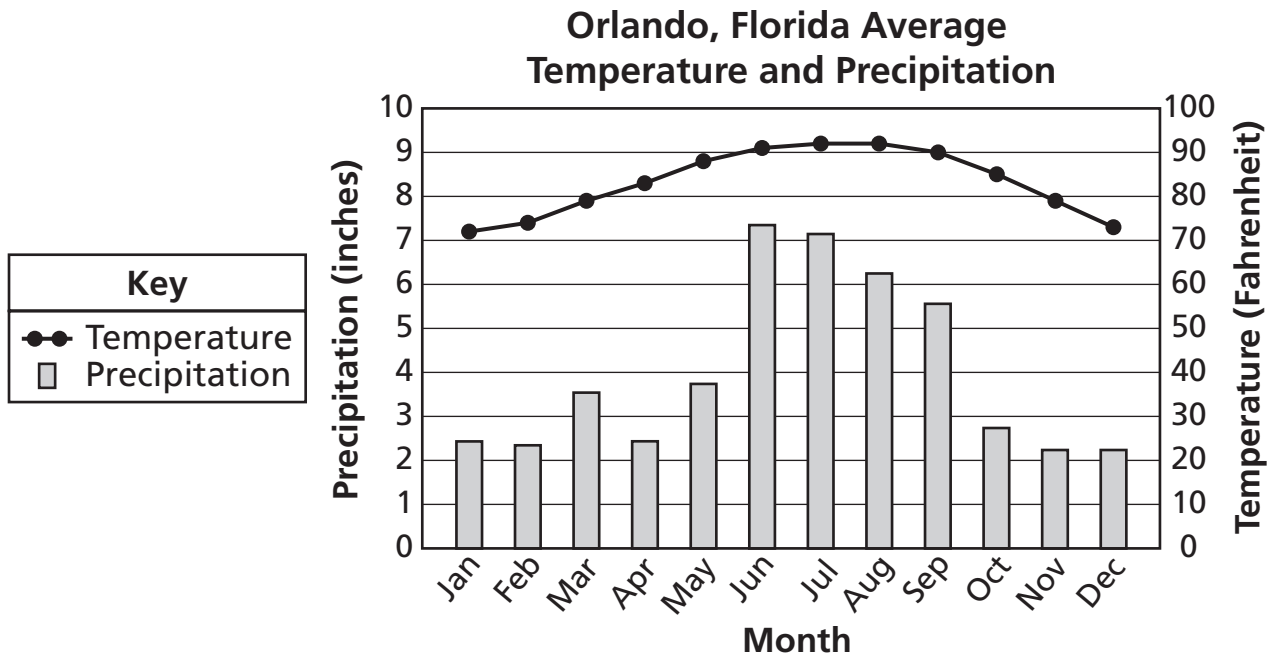
31 During the 1930s, how did the Dust Bowl affect people living in the Great Plains region?

- A** Local agricultural workers increased production.
- B** Farmers migrated to other areas.
- C** Union members supported government agencies.
- D** Local business owners increased sales.

32 Which situation will most likely require a court to resolve the conflict?

- F** Citizens vote against suggested changes to local laws.
- G** A mayor fires a city employee for not doing his job.
- H** Three citizens want to be elected for the same job.
- J** Two farmers disagree about property boundaries.

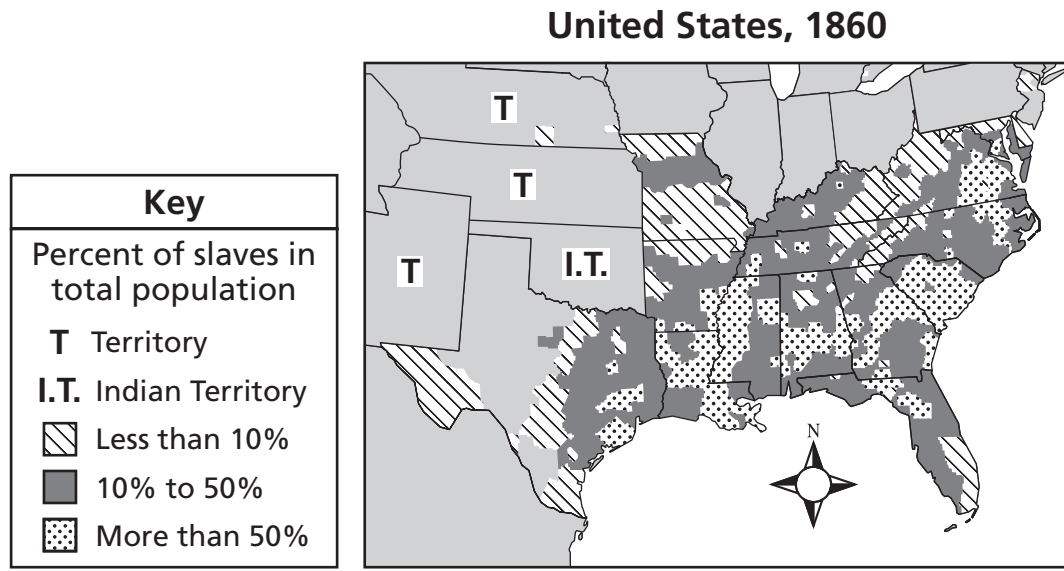
33 Study the climograph below.



Based on the climograph, which month had the lowest temperature?

- A** January
- B** February
- C** April
- D** October

34 Study the map below.



Which conclusion about the U.S. economy can be made from the map?

- F** Slaves were most important to the economic success of the territories.
- G** West Texas had the greatest percentage of slaves in the state.
- H** The South relied more on slave labor than the North.
- J** A small percentage of South Carolina's population was slaves.

35 Which leader contributed to the effort to gain voting rights for women?

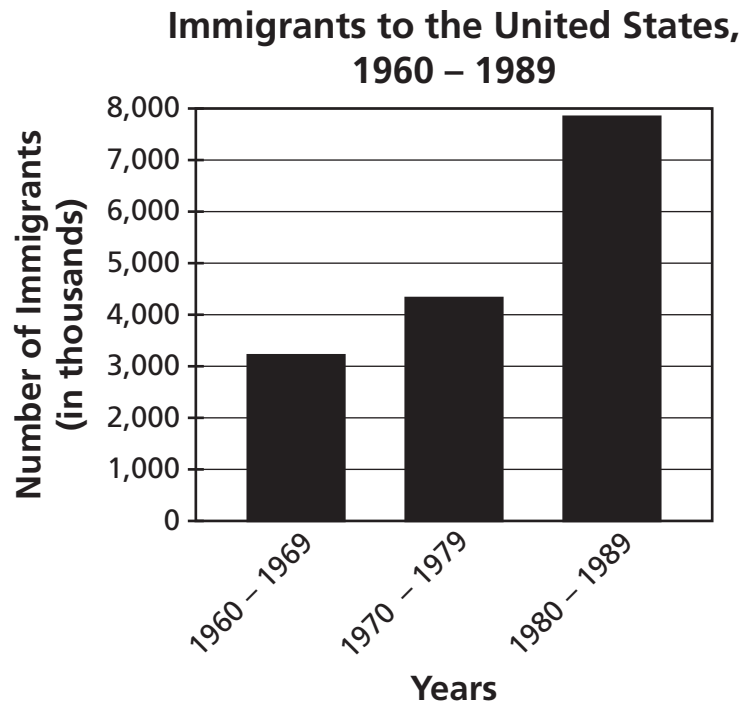
- A** Nancy Ward
- B** Anne Dallas Dudley
- C** Martin Luther King, Jr.
- D** Austin Peay

STOP 

**DO NOT
MARK
ON THIS
PAGE**

Part 2

36 Study the graph below.



Source: U.S. Census Bureau

Using the graph, what was one effect of immigration from 1960 – 1989?

- F** safer factory conditions
- G** increase in national population
- H** improved local services
- J** better pay for employees

37 Which calendar correctly marks Thanksgiving Day?

A

May 2013

Sun	Mon	Tues	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

C

October 2013

Sun	Mon	Tues	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

B

July 2013

Sun	Mon	Tues	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

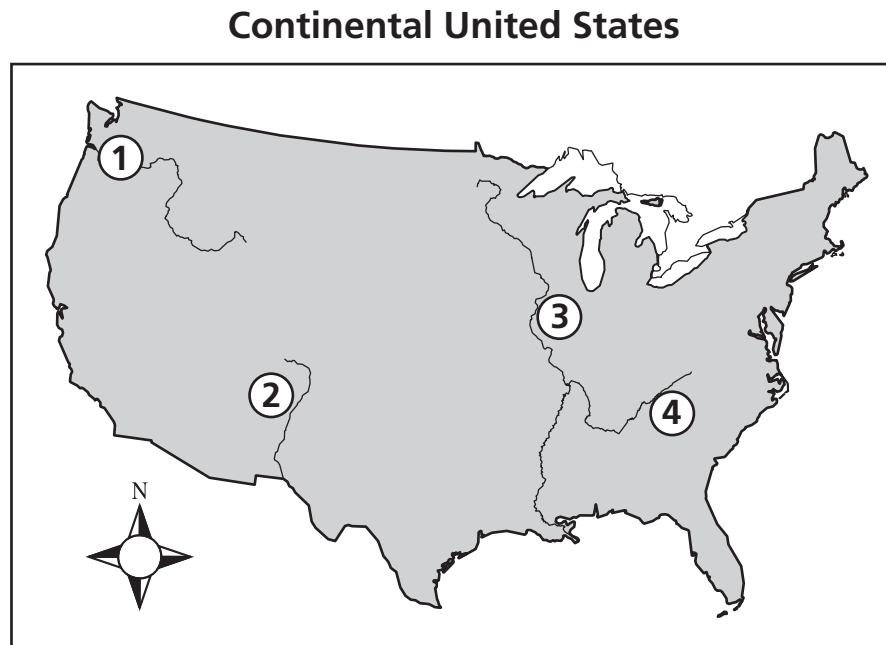
D

November 2013

Sun	Mon	Tues	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Go On ►

38 Study the map below.



Which number on the map shows the location of the Columbia River?

- F** 1
- G** 2
- H** 3
- J** 4

39 Which technology from the 1800s allowed instant communication over long distances?

- A** motion picture cameras
- B** gas-powered automobiles
- C** the phonograph
- D** the telegraph

40 Which postage stamp is honoring the importance of music in American culture?

F



G



H



J



Go On ►

41 Study the list below.

?

- Have no specific term length or term limits
- Have the power to declare laws unconstitutional
- Members are appointed by the president and confirmed by the Senate

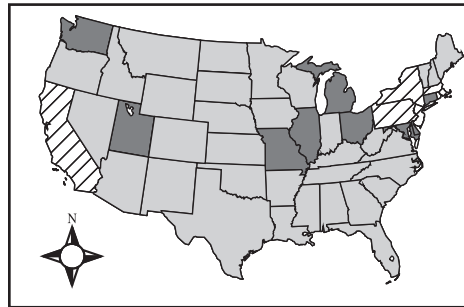
What is the best title for the list?

- A** The Executive Branch of Local Government
- B** The Legislative Branch of State Government
- C** The Judicial Branch of the Federal Government
- D** The Legislative Branch of a City Government

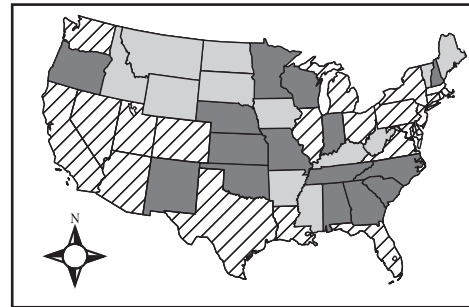
42 Study the maps below.

**Percent of Population Living in Urban Areas,
1950 and 2000**

1950






2000



Key

Percent of population in
urban areas

-  75 or more
-  50 to 75
-  Less than 50

Source: U.S. Census Bureau, decennial census
of population, 1950 and 2000.

What change best explains the population shift shown in the maps?

- F** growth in the number of people living in cities
- G** decrease in the total number of citizens working in suburbs
- H** increase in government programs to aid agriculture
- J** decline in the total number of schools opened in suburbs

Go On ►

43 Study the table below.

Official U.S. Census Count

Year	Population
1900	76,212,168
1910	92,228,496
1920	106,021,537
1930	123,202,624

Source: U.S. Census Bureau

The population change shown in the table probably led to

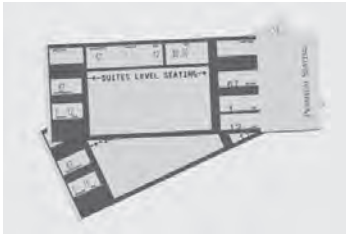
- A** fewer advances in technology.
- B** fewer resources for the arts.
- C** a greater need for government services.
- D** better building designs.

44

In the 1920s, which good would have most likely been purchased using an installment plan?

Theater Ticket

F



© Kacey Baxter/Stockphoto
#2439518

Hat

H



© david franklin/Stockphoto
#8232872

Bicycle

G



© Hupeng/Dreamstime
#18771377

Radio

J



© Don Wilkie/Stockphoto
#104466

Go On ►

45 Study the photo below.

Vietnam Peace March, 1965



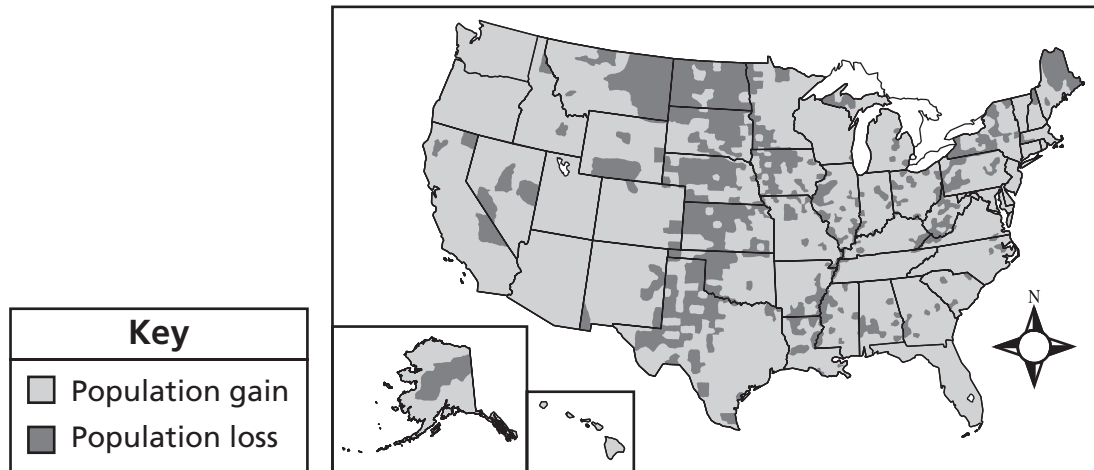
© Associated Press #650410137

Which amendment protects the event taking place in the photo?

- A** 1st Amendment
- B** 5th Amendment
- C** 6th Amendment
- D** 13th Amendment

46 Study the map below.

**United States Population Change,
1990 – 2000**

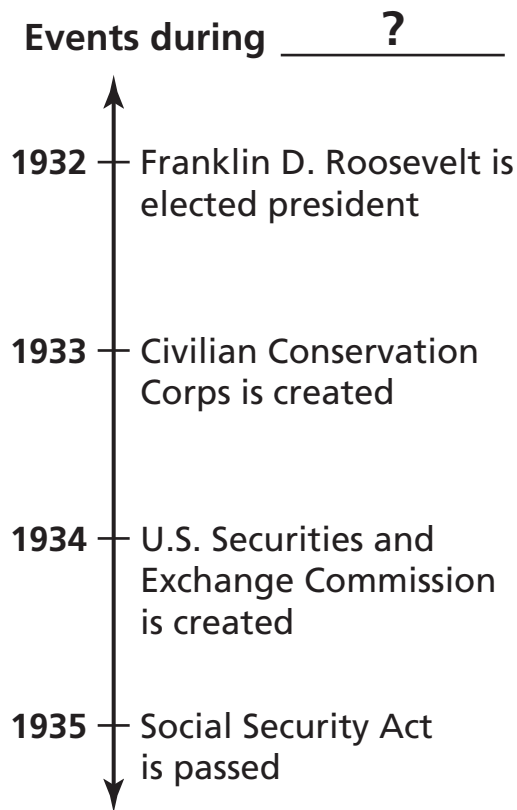


Based on the map, which region experienced the greatest population loss between 1990 and 2000?

- F** East
- G** South
- H** Midwest
- J** Southwest

Go On ►

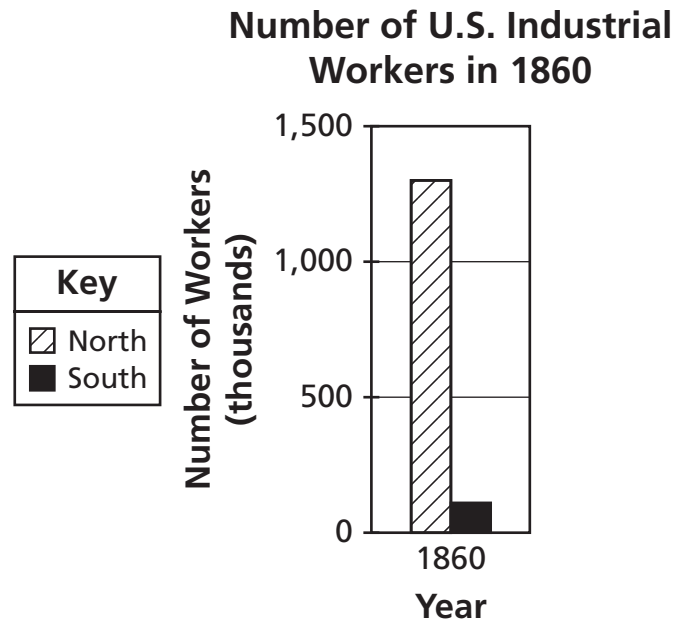
47 Study the title below.



Which event best completes the title?

- A** Reconstruction
- B** the Civil Rights Movement
- C** World War II
- D** the Great Depression

48 Study the bar graph below.



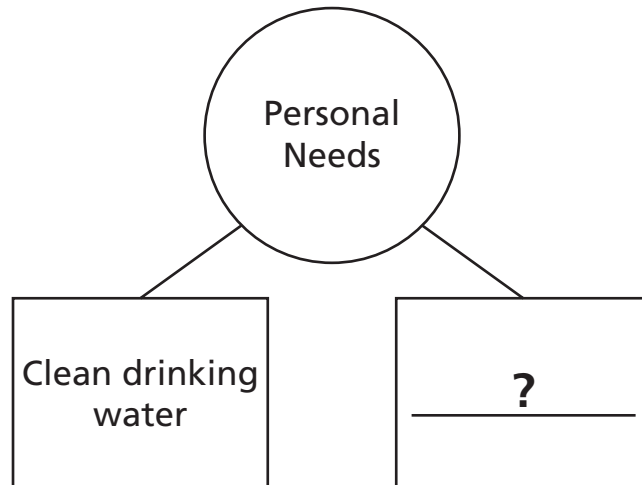
Source: Digital History

Which conclusion can be drawn from the information in the bar graph?

- F** The South had more immigrants than the North.
- G** The South could distribute more products by railroad than the North.
- H** The North had more slave labor than the South.
- J** The North was able to produce more manufactured goods than the South.

Go On ►

49 Study the diagram below.



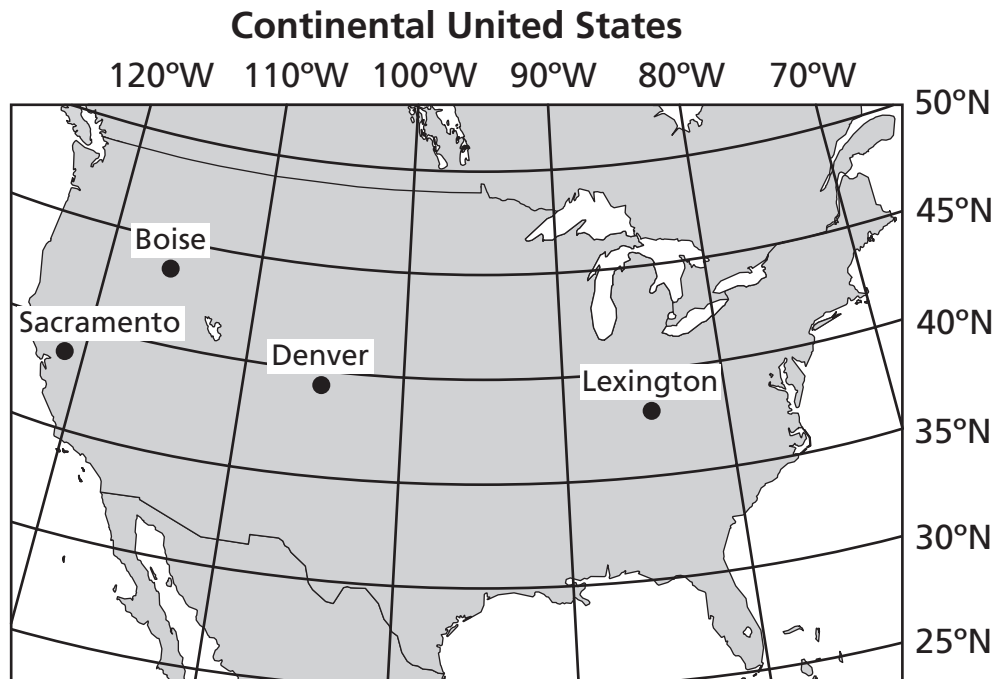
Which phrase best completes the diagram?

- A** A bicycle for transportation
- B** A mall for shopping
- C** A house for shelter
- D** A playground for games

50 The 13th Amendment to the U.S. Constitution provides

- F** the right to have a jury trial.
- G** protection of citizens' right to bear arms.
- H** the abolishment of slavery.
- J** protection from forced quartering of soldiers.

51 Study the map below.



Which city is located closest to 40°N and 106°W on the map?

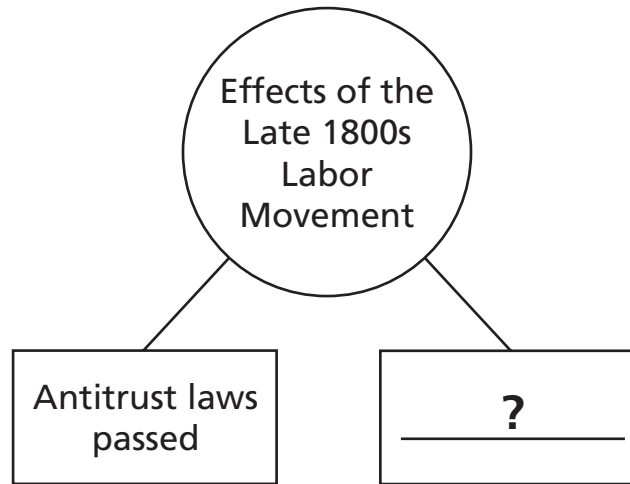
- A** Sacramento
- B** Boise
- C** Denver
- D** Lexington

52 Which person played an important role in treating wounded soldiers during the Civil War?

- F** Clara Barton
- G** Jane Addams
- H** Sojourner Truth
- J** Elizabeth Cady Stanton

Go On ►

53 Study the diagram below.



Which affect best completes the diagram?

- A** Hourly pay lowered
- B** Workdays shortened
- C** Union power weakened
- D** Factory inspections reduced

54 Study the information below.

Farmer Thomas purchases supplies at the local store. His purchase totals \$500. He pays \$200 in cash and agrees to pay the remaining balance throughout the year.

Which method of payment is being used in this situation?

- F** gift cards for the supplies
- G** store credit
- H** trading of services
- J** bank check

55 Study the chart below.

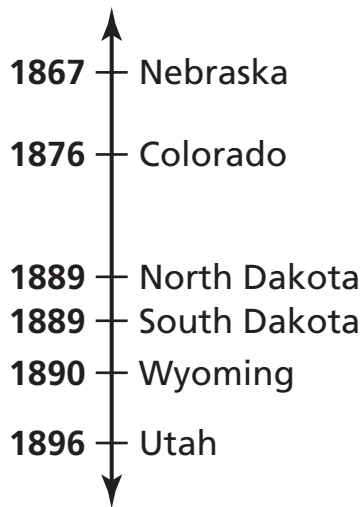
United States Senate	Tennessee State Senate
<ul style="list-style-type: none">• Each state has 2 Senators• Senators serve 6 year terms	<ul style="list-style-type: none">• <u> ? </u>• Senators serve 4 year terms

Which phrase completes the chart?

- A** Judges are appointed by the Senate
- B** Senators are appointed by the president
- C** Judges are elected through a public election
- D** Senate seats are assigned by population.

56 Study the timeline below.

Date of Statehood

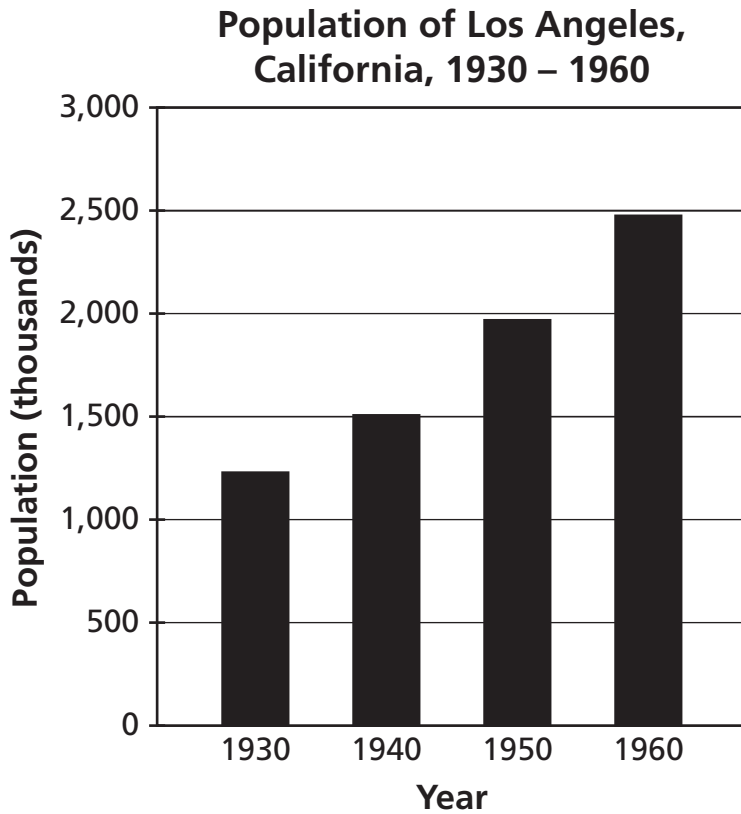


Source: National Oceanic and Atmospheric Administration

Based on the timeline, which statement is correct?

- F** Wyoming gained statehood before South Dakota.
- G** Nebraska became a state in 1876.
- H** North Dakota gained statehood after Colorado.
- J** Utah became a state in 1889.

57 Study the graph below.



United States involvement
in WWII: 1941 – 1945

Source: U.S. Census Bureau

What does the graph best illustrate about Los Angeles?

- A** The population declined from 1940–1950 as a result of the war.
- B** The population growth was the smallest from 1950–1960.
- C** The city experienced increased urbanization over time.
- D** The city experienced the greatest income before the war.

Go On ►

58 Study the map below.

Eastern United States



Which state shares a border with southeastern Tennessee?

- F** Georgia
- G** Mississippi
- H** Kentucky
- J** Missouri

59 Study the chart below.

Important American Documents

Name of Document	Purpose of Document
Declaration of Independence	Declared the colonies independent from England
Bill of Rights	_____?

Which phrase best completes the chart?

- A** Protected citizens' basic freedoms
- B** Outlined the country's government
- C** Explained how a territory becomes a state
- D** Established a system for electing officials

60 During the late 1800s, which condition most challenged new farmers settling the Great Plains?

- F** blizzards
- G** flooding rivers
- H** shortages of seeds
- J** not enough rainfall

Go On ►

61 Study the executive order below.

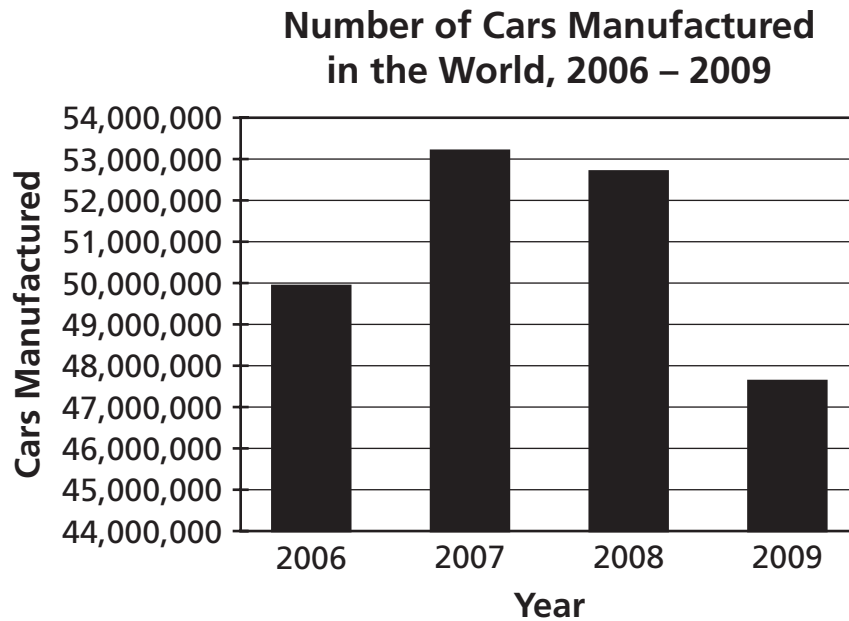
It is . . . declared . . . [by] the President that there shall be equality of treatment . . . for all persons in the armed services without regard to race

— President Harry S. Truman, Executive Order (1948)

The executive order was made to help ensure

- A** a minimum age requirement for military service.
- B** more opportunities for people of all ethnic backgrounds in the military.
- C** a rapid end to the use of the military draft.
- D** improved benefits for military veterans.

62 Study the graph below.



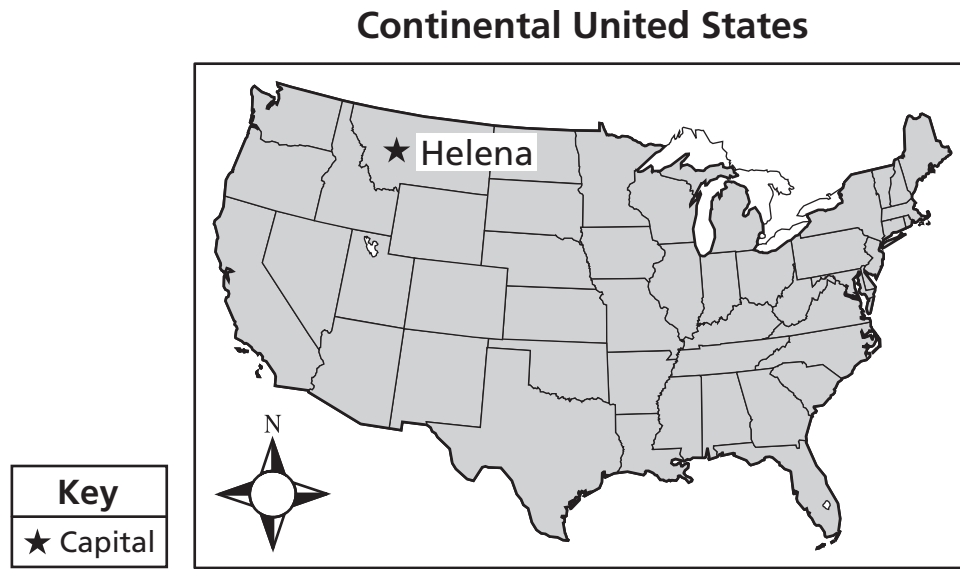
Source: International Organization of
Motor Vehicle Manufacturers

Based on the information in the graph, which statement is true?

- F** The number of cars being manufactured decreased from 2006 – 2007.
- G** In 2007, fewer than 50 million cars were manufactured worldwide.
- H** The greatest number of cars was manufactured in 2009.
- J** From 2006 – 2009, more than 200 million cars were manufactured in the world.

Go On ►

63 Study the map below.



Which state's capital is shown on the map?

- A** Utah
- B** Montana
- C** Arizona
- D** Mississippi

64 Study the letter below.

The [drought] in Kansas universal! The last crop gone!
No buckwheat! No vegetables! No corn! No seed of any kind!
No bread! No money! No hope! What is to be done?
. . . Crop after crop has been put in: as one failed another was
tried. . . . No people have ever so earned success!

— Letter from Thaddeus Hyatt to the
New York Tribune, September 4, 1860

Thaddeus Hyatt wrote this letter to the *New York Tribune* to

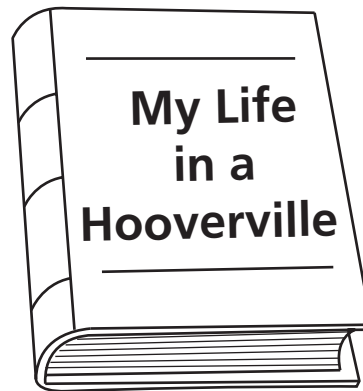
- F** encourage more people to move to Kansas.
- G** explain why slave labor was needed in the region.
- H** show support for adoption of statehood.
- J** tell about the difficult conditions in Kansas.

65 How was the *Brown v. Board of Education of Topeka* ruling important to the Civil Rights movement?

- A** It allowed schools to be used as voting sites.
- B** It led to the end of segregation in public schools.
- C** It enabled more minorities to become school teachers.
- D** It helped more females get accepted into private schools.

Go On ►

66 Study the book below.



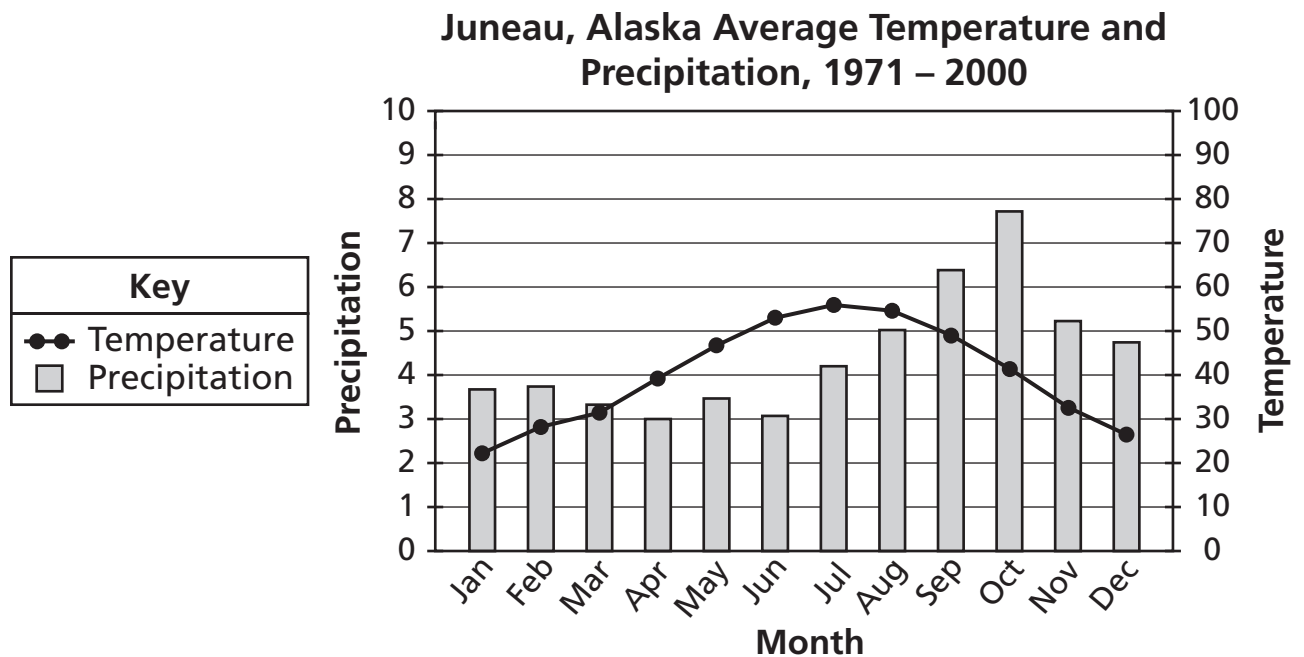
Which issue does this book most likely discuss?

- F** population growth encouraged by the New Deal
- G** crop prices lowered due to the Dust Bowl
- H** economic effects related to the Great Depression
- J** factory work conditions caused by Black Tuesday

67 Which situation would most likely require conflict resolution?

- A** The school librarian is ordering books for the book fair.
- B** Two students are sharing ideas for a class project.
- C** The basketball coach is starting practice after school.
- D** Two students want to use the same telescope.

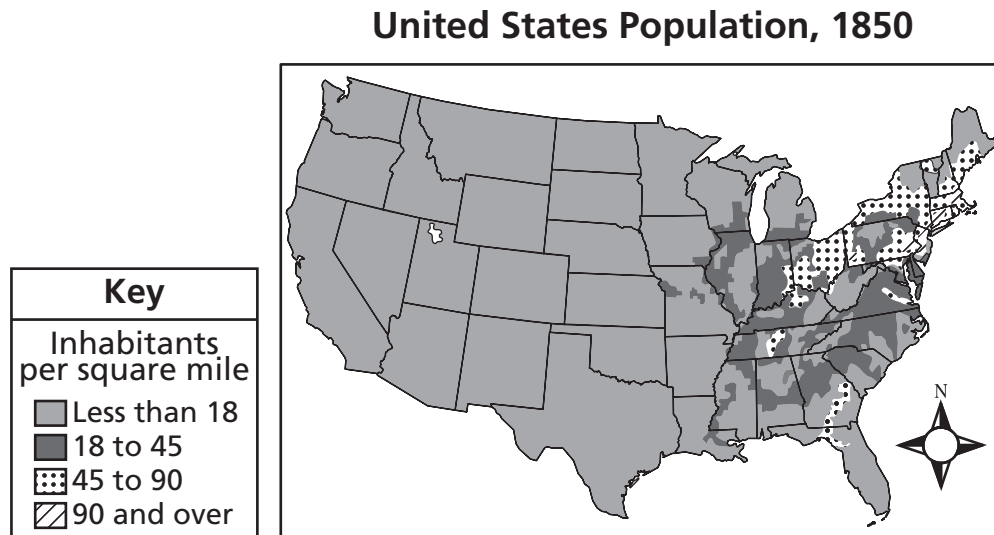
Study the climograph below.



Based on the climograph, which month received the most precipitation?

- F** February
- G** July
- H** October
- J** November

69 Study the map below.



Based on the map, which region had the most inhabitants per square mile in 1850?

- A** West
- B** South
- C** Midwest
- D** Northeast

Reading and Language Arts Answer Key

1	D
2	G
3	C
4	F
5	B
6	F
7	D
8	G
9	C
10	H
11	C
12	J
13	B
14	G
15	A
16	J
17	A
18	H
19	D

20	H
21	B
22	F
23	C
24	G
25	D
26	G
27	A
28	H
29	A
30	G
31	D
32	G
33	D
34	G
35	A
36	H
37	B
38	J

39	C
40	H
41	A
42	J
43	B
44	H
45	A
46	J
47	D
48	F
49	D
50	H
51	C
52	J
53	D
54	G
55	A
56	G
57	A

58	H
59	D
60	J
61	A
62	H
63	C
64	G
65	C
66	G
67	B
68	F
69	D
70	H
71	D
72	F
73	C
74	G
75	C

Mathematics

Answer Key

1	D
2	H
3	B
4	H
5	D
6	F
7	D
8	G
9	C
10	F
11	C
12	F
13	B
14	J

15	A
16	H
17	B
18	F
19	D
20	G
21	B
22	J
23	A
24	H
25	D
26	H
27	A
28	J

29	C
30	G
31	C
32	J
33	A
34	H
35	A
36	G
37	D
38	G
39	C
40	F
41	B
42	J

43	B
44	F
45	C
46	G
47	A
48	H
49	B
50	J
51	B
52	H
53	D
54	J
55	C

Science Answer Key

1	B
2	J
3	A
4	F
5	C
6	G
7	C
8	F
9	D
10	G
11	B
12	F
13	D
14	H
15	B
16	F
17	D
18	F

19	D
20	H
21	D
22	F
23	A
24	H
25	C
26	F
27	A
28	F
29	C
30	G
31	D
32	H
33	D
34	H
35	C
36	J

37	C
38	G
39	B
40	F
41	D
42	G
43	A
44	J
45	B
46	H
47	C
48	G
49	C
50	G
51	B
52	J
53	A
54	J

55	B
56	J
57	D
58	J
59	A
60	J
61	B
62	J
63	A
64	J
65	D
66	H
67	C
68	F
69	A

Social Studies Answer Key

1	A
2	J
3	A
4	F
5	A
6	G
7	A
8	G
9	C
10	F
11	D
12	G
13	B
14	G
15	D
16	H
17	A
18	H

19	B
20	F
21	B
22	J
23	B
24	J
25	D
26	F
27	A
28	G
29	A
30	F
31	B
32	J
33	A
34	H
35	B
36	G

37	D
38	F
39	D
40	F
41	C
42	F
43	C
44	J
45	A
46	H
47	D
48	J
49	C
50	H
51	C
52	F
53	B
54	G

55	D
56	H
57	C
58	F
59	A
60	J
61	B
62	J
63	B
64	J
65	B
66	H
67	D
68	H
69	D



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Practice Test
Version B



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